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NEWS 5 AUG 30 CA/CAPLUS - Increased access to 19th century research documents  
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 SEP 22 MATHDI to be removed from STN

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:23:01 ON 29 SEP 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:23:11 ON 29 SEP 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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STRUCTURE FILE UPDATES: 28 SEP 2005 HIGHEST RN 864132-17-2  
DICTIONARY FILE UPDATES: 28 SEP 2005 HIGHEST RN 864132-17-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
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*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
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Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\phospho.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

/ Structure 1 in file .gra /

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sam

SAMPLE SEARCH INITIATED 08:23:36 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 610 TO ITERATE

100.0% PROCESSED 610 ITERATIONS

27 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 10719 TO 13681

PROJECTED ANSWERS: 229 TO 851

L2 27 SEA SSS SAM L1

=> d scan

L2 27 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-  
tetramethyl-9-oxo-, inner salt, 4-oxide, polymer with butyl  
2-methyl-2-propenoate, block (9CI)

MF (C11 H22 N O6 P . C8 H14 O2)x

CI PMS, COM

CM 1

/ Structure 2 in file .gra /

CM 2

/ Structure 3 in file .gra /

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s l1 full  
FULL SEARCH INITIATED 08:24:45 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 12800 TO ITERATE

100.0% PROCESSED 12800 ITERATIONS 598 ANSWERS  
SEARCH TIME: 00.00.01

L3 598 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 162.19 162.40

FILE 'CAPLUS' ENTERED AT 08:24:52 ON 29 SEP 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 29 Sep 2005 VOL 143 ISS 14  
FILE LAST UPDATED: 28 Sep 2005 (20050928/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3  
L4 728 L3  
  
=> s immuno? or agglutination  
743867 IMMUNO?  
53176 IG  
14228 IGS  
60266 IG  
(IG OR IGS)  
760705 IMMUNO?  
(IMMUNO? OR IG)  
13710 AGGLUTINATION  
134 AGGLUTINATIONS  
13761 AGGLUTINATION  
(AGGLUTINATION OR AGGLUTINATIONS)  
L5 769725 IMMUNO? OR AGGLUTINATION

```

=> s acrylate
      173035 ACRYLATE
      34045 ACRYLATES
L6      182214 ACRYLATE
          (ACRYLATE OR ACRYLATES)

=> s ?acrylate
L7      345497 ?ACRYLATE

=> s 17 and 14
L8      471 L7 AND L4

=> s 18 (1) 15
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L8 (L) L5'
L9      30 L8 (L) L5

=> s 14 (1) 15
L10     14 L4 (L) L5

=> s 110 and 17
L11     9 L10 AND L7

=> d scan

L11     9 ANSWERS  CAPLUS  COPYRIGHT 2005 ACS on STN
IC      ICM  G01N033-531
        ICS  G01N033-543
CC      9-15 (Biochemical Methods)
TI      Protein adsorption-preventing polymers or copolymers
ST      methacryloyloxyethylphosphorylcholine polymer copolymer protein adsorption
        prevention
IT      Immunoassay
        (methacryloyloxyethyl phosphorylcholine polymer or copolymer for
        preventing protein adsorption in two-site anal. method or immunoassay)
IT      Antigens
        RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical
        study); BIOL (Biological study)
        (CEA (carcinoembryonic antigen), methacryloyloxyethyl phosphorylcholine
        polymer or copolymer for preventing protein adsorption in two-site
        anal. method or immunoassay)
IT      Immunoglobulins
        RL: ARU (Analytical role, unclassified); MOA (Modifier or additive use);
        SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation);
        USES (Uses)
        (G, anti-carcinoembryonic antigen; methacryloyloxyethyl
        phosphorylcholine polymer or copolymer for preventing protein
        adsorption in two-site anal. method or immunoassay)
IT      Polymers, analysis
        RL: ARU (Analytical role, unclassified); MOA (Modifier or additive use);
        SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation);
        USES (Uses)
        (co-, methacryloyloxyethyl phosphorylcholine containing;
        methacryloyloxyethyl phosphorylcholine polymer or copolymer for
        preventing protein adsorption in two-site anal. method or immunoassay)
IT      67881-98-5DP, 2-Methacryloyloxyethyl phosphorylcholine, polymers
        or copolymers 67881-99-6P 67882-00-2P
        125275-25-4P 134483-35-5P 148569-41-9P
        RL: ARU (Analytical role, unclassified); MOA (Modifier or additive use);
        SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation);
        USES (Uses)
        (methacryloyloxyethyl phosphorylcholine polymer or copolymer for
        preventing protein adsorption in two-site anal. method or
        immunoassay)

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d his

(FILE 'HOME' ENTERED AT 08:23:01 ON 29 SEP 2005)

FILE 'REGISTRY' ENTERED AT 08:23:11 ON 29 SEP 2005

L1 STRUCTURE UPLOADED  
L2 27 S L1 SAM  
L3 598 S L1 FULL

FILE 'CAPLUS' ENTERED AT 08:24:52 ON 29 SEP 2005

L4 728 S L3  
L5 769725 S IMMUNO? OR AGGLUTINATION  
L6 182214 S ACRYLATE  
L7 345497 S ?ACRYLATE  
L8 471 S L7 AND L4  
L9 30 S L8 (L) L5  
L10 14 S L4 (L) L5  
L11 9 S L10 AND L7

=> s l11 not py>2003  
2001315 PY>2003  
L12 4 L11 NOT PY>2003

=> d ibib 1-4

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2003:945791 CAPLUS  
DOCUMENT NUMBER: 140:14529  
TITLE: Developing solvent, measuring method, and kit for  
immunochromatography  
INVENTOR(S): Mochizuki, Takeshi; Komatsu, Mariko; Sakaki, Shujiro  
PATENT ASSIGNEE(S): Taunzu K. K., Japan; NOF Corporation  
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003344406	A2	20031203	JP 2002-150996	20020524
PRIORITY APPLN. INFO.:			JP 2002-150996	20020524

L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2002:172237 CAPLUS  
DOCUMENT NUMBER: 136:213193  
TITLE: Highly reproducible agglutination immunoassay method  
and reagent  
INVENTOR(S): Shigenobu, Kayoko; Shuto, Kenshiro; Sakaki, Shujiro  
PATENT ASSIGNEE(S): Kyowa Medex Co.,ltd, Japan; Nof Corporation  
SOURCE: PCT Int. Appl., 35 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018953	A1	20020307	WO 2001-JP7385	20010828
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,			

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,  
 US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 CA 2420770 AA 20020307 CA 2001-2420770 20010828  
 AU 2001080210 A5 20020313 AU 2001-80210 20010828  
 EP 1314982 A1 20030528 EP 2001-958575 20010828  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
 US 2003166302 A1 20030904 US 2003-363038 20030228  
 PRIORITY APPLN. INFO.: JP 2000-259964 A 20000829  
 WO 2001-JP7385 W 20010828  
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2000:215700 CAPLUS  
 DOCUMENT NUMBER: 132:262394  
 TITLE: Polymer/enzyme-conjugate and polymer/enzyme/antibody-  
 conjugate for enzyme immunoassay  
 INVENTOR(S): Sakaki, Shujiro; Yamada, Satoru; Shudo, Kenshiro;  
 Nakabayashi, Nobuo; Ishihara, Kazuhiko  
 PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000093169	A2	20000404	JP 1998-274782	19980929
PRIORITY APPLN. INFO.:			JP 1998-274782	19980929

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1995:606836 CAPLUS  
 DOCUMENT NUMBER: 123:5146  
 TITLE: Protein adsorption-preventing polymers or copolymers  
 INVENTOR(S): Sakaki, Hidejiro; Nakada, Shinji; Matsumoto, Takeo;  
 Koinuma, Yasuyoshi; Nakabayashi, Norio; Ishihara,  
 Kazuhiko  
 PATENT ASSIGNEE(S): Nippon Oils & Fats Co Ltd, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07083923	A2	19950331	JP 1993-228973	19930914
JP 3443891	B2	20030908		
PRIORITY APPLN. INFO.:			JP 1993-228973	19930914

=> d ibib abs hitstr total

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2003:945791 CAPLUS  
 DOCUMENT NUMBER: 140:14529

TITLE: Developing solvent, measuring method, and kit for immunochromatography  
 INVENTOR(S): Mochizuki, Takeshi; Komatsu, Mariko; Sakaki, Shujiro  
 PATENT ASSIGNEE(S): Taunzu K. K., Japan; NOF Corporation  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003344406	A2	20031203	JP 2002-150996	20020524
PRIORITY APPLN. INFO.:			JP 2002-150996	20020524

AB An improved developing solvent for an immunochromatog. is provided, with which non-specific aggregation and non-specific reaction upon measurements are prevented, and the measurements are performed with high accuracy. The developing solvent for an immunochromatog. is characterized in that it comprises a buffer containing a polymer possessing phosphorylcholine groups. It is preferable that the polymer is contained in the concentration of 0.005-0.3w/v%, and its number average mol. weight is higher than 40,000. The polymer preferably contains 2-methacryloyloxyethylphosphorylcholine as the constituting monomer, and it can be either a homopolymer or a copolymer.

IT 67881-98-5D, 2-Methacryloyloxyethylphosphorylcholine, copolymer with methoxypolyethyleneglycolmonomethacrylate, copolymer with methacrylate  
 RL: ARU (Analytical role, unclassified); ANST (Analytical study) (improved developing solvent, measuring method, and kit for immunochromatog.)

RN 67881-98-5 CAPLUS  
 CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)

/ Structure 4 in file .gra /

IT 67881-98-5, 2-Methacryloyloxyethylphosphorylcholine  
 150120-15-3  
 RL: RCT (Reactant); RACT (Reactant or reagent) (improved developing solvent, measuring method, and kit for immunochromatog.)

RN 67881-98-5 CAPLUS  
 CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)

/ Structure 5 in file .gra /

RN 150120-15-3 CAPLUS  
 CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N-trimethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)

/ Structure 6 in file .gra /

L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2002:172237 CAPLUS  
 DOCUMENT NUMBER: 136:213193  
 TITLE: Highly reproducible agglutination immunoassay method and reagent  
 INVENTOR(S): Shigenobu, Kayoko; Shuto, Kenshiro; Sakaki, Shujiro  
 PATENT ASSIGNEE(S): Kyowa Medex Co., ltd, Japan; Nof Corporation  
 SOURCE: PCT Int. Appl., 35 pp.

DOCUMENT TYPE: CODEN: PIXXD2  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: Japanese  
 PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018953	A1	20020307	WO 2001-JP7385	20010828
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2420770	AA	20020307	CA 2001-2420770	20010828
AU 2001080210	A5	20020313	AU 2001-80210	20010828
EP 1314982	A1	20030528	EP 2001-958575	20010828
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003166302	A1	20030904	US 2003-363038	20030228
PRIORITY APPLN. INFO.:			JP 2000-259964	A 20000829
			WO 2001-JP7385	W 20010828

AB A highly reproducible agglutination immunoassay method is provided, in which the agglutination of insol. carrier particles (e.g., latex) takes place in a stable and homogeneous way. An immunoassay reagent used for this method is also provided. In this agglutination immunoassay method, an antigenic substance in a test sample is bound to the insol. carrier particles substantially not carrying any bound-antigen or -antibody, and then, an antibody or an antibody complex capable of specifically reacting with the antigenic substance is bound to the particles to selectively give rise to the agglutination. The reagent contains a polymer which is prepared either by homogeneously polymerizing a monomer possessing a phosphorylcholine group and a vinyl group (e.g., 2-methacryloyloxyethylphosphorylcholine), or co-polymerizing the monomer possessing a phosphorylcholine group and a vinyl group, and another monomer possessing a vinyl group (e.g., n-butylmethacrylate). An improved reproducibility was obtained when the HbA1c concentration in blood samples were determined with this reagent using anti-HbA1c monoclonal antibody in comparison to the conventional reagents.

IT 67881-98-5, 2-Methacryloyloxyethylphosphorylcholine

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (highly reproducible agglutination immunoassay method and reagent)

RN 67881-98-5 CAPLUS

CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)

/ Structure 7 in file .gra /

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2000:215700 CAPLUS

DOCUMENT NUMBER: 132:262394

TITLE: Polymer/enzyme-conjugate and polymer/enzyme/antibody-conjugate for enzyme immunoassay

INVENTOR(S): Sakaki, Shujiro; Yamada, Satoru; Shudo, Kenshiro; Nakabayashi, Nobuo; Ishihara, Kazuhiko

PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.

DOCUMENT TYPE: CODEN: JKXXAF  
LANGUAGE: Patent  
FAMILY ACC. NUM. COUNT: Japanese  
PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000093169	A2	20000404	JP 1998-274782	19980929
PRIORITY APPLN. INFO.: GI			JP 1998-274782	19980929

/ Structure 8 in file .gra /

AB Polymer/enzyme-conjugate and polymer/enzyme/substance with biol. specific binding ability-conjugate are provided for the use in a highly sensitive enzyme immunoassay. This polymer/enzyme-conjugate is prepared by chemical binding an enzyme for immunol. measurement (e.g., peroxidase) with a polymer synthesized by polymerizing the monomer constituent containing a hydrophilic monomer possessing a phosphorylcholin-analog group (e.g., 2-methacryloyloxyethylphosphorylcholine (MPC) (I)) and a monomer possessing a chemical reactive group (e.g., methacrylate, 2-aminoethyl(meth) acrylate). The substance with biol. specific binding ability used for the conjugate is either antibody, biotin, avidin, or antigen. Various samples of polymer/horse radish peroxidase/biotin or IgG-conjugate prepared by this method exhibited an excellent solubility and 1.8-36 times higher sensitivity than the cases where no polymer was used to make conjugates.

IT 67881-98-5, 2-Methacryloyloxyethylphosphorylcholine  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(polymer/enzyme-conjugate and polymer/enzyme/antibody-conjugate for enzyme immunoassay)

RN 67881-98-5 CAPLUS

CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)

/ Structure 9 in file .gra /

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:606836 CAPLUS

DOCUMENT NUMBER: 123:5146

TITLE: Protein adsorption-preventing polymers or copolymers

INVENTOR(S): Sakaki, Hidejiro; Nakada, Shinji; Matsumoto, Takeo; Koinuma, Yasuyoshi; Nakabayashi, Norio; Ishihara, Kazuhiko

PATENT ASSIGNEE(S): Nippon Oils & Fats Co Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07083923	A2	19950331	JP 1993-228973	19930914
JP 3443891	B2	20030908		
PRIORITY APPLN. INFO.:			JP 1993-228973	19930914
AB				
2-Methacryloyloxyethyl phosphorylcholin polymer and copolymer containing 2-methacryloyloxyethyl phosphorylcholine are used for preventing protein adsorption. The (co)polymers are useful for increasing the reproductivity and accuracy of two-site method, e.g. antigen or antibody sandwich				

immunoassay, for biochem. or clin. diagnosis. In example, poly-2-methacryloyloxyethyl phosphorylcholine, and 2-methacryloyloxyethyl phosphorylcholine copolymer with Bu methacrylate, Me methacrylate, 2-hydroxyethyl methacrylate, or styrene were prepared. The prepared polymer or copolymers were used for preventing adsorption of FITC-labeled mouse anti-human carcinoembryonic antigen IgG during immunoassay.

IT 67881-98-5DP, 2-Methacryloyloxyethyl phosphorylcholine, polymers or copolymers 67881-99-6P 67882-00-2P 125275-25-4P 134483-35-5P 148569-41-9P  
RL: ARU (Analytical role, unclassified); MOA (Modifier or additive use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)  
(methacryloyloxyethyl phosphorylcholine polymer or copolymer for preventing protein adsorption in two-site anal. method or immunoassay)  
RN 67881-98-5 CAPLUS  
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)

/ Structure 10 in file .gra /

RN 67881-99-6 CAPLUS  
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide, homopolymer (9CI) (CA INDEX NAME)  
CM 1  
CRN 67881-98-5  
CMF C11 H22 N O6 P

/ Structure 11 in file .gra /

RN 67882-00-2 CAPLUS  
CN Ethanaminium, 2-[[hydroxy[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethoxy]phosphinyl]oxy]-N,N,N-trimethyl-, inner salt, polymer with methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
CM 1  
CRN 67881-98-5  
CMF C11 H22 N O6 P

/ Structure 12 in file .gra /

CM 2  
CRN 80-62-6  
CMF C5 H8 O2

/ Structure 13 in file .gra /

RN 125275-25-4 CAPLUS  
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide, polymer with butyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
CM 1

CRN 67881-98-5  
CMF C11 H22 N O6 P

/ Structure 14 in file .gra /

CM 2

CRN 97-88-1  
CMF C8 H14 O2

/ Structure 15 in file .gra /

RN 134483-35-5 CAPLUS  
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-  
tetramethyl-9-oxo-, inner salt, 4-oxide, polymer with ethenylbenzene (9CI)  
(CA INDEX NAME)

CM 1

CRN 67881-98-5  
CMF C11 H22 N O6 P

/ Structure 16 in file .gra /

CM 2

CRN 100-42-5  
CMF C8 H8

/ Structure 17 in file .gra /

RN 148569-41-9 CAPLUS  
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-  
tetramethyl-9-oxo-, inner salt, 4-oxide, polymer with 2-hydroxyethyl  
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 67881-98-5  
CMF C11 H22 N O6 P

/ Structure 18 in file .gra /

CM 2

CRN 868-77-9  
CMF C6 H10 O3

/ Structure 19 in file .gra /

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	36.76	199.16
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.92	-2.92

STN INTERNATIONAL LOGOFF AT 08:28:50 ON 29 SEP 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 OCT 03 MATHDI removed from STN  
NEWS 9 OCT 04 CA/Caplus-Canadian Intellectual Property Office (CIPO) added  
to core patent offices  
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America  
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
of Caplus documents for use in third-party analysis and  
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NEWS 13 OCT 27 Free KWIC format extended in full-text databases  
NEWS 14 OCT 27 DIOGENES content streamlined  
NEWS 15 OCT 27 EPFULL enhanced with additional content

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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FILE 'HOME' ENTERED AT 14:13:03 ON 27 OCT 2005

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 14:13:19 ON 27 OCT 2005

FILE LAST UPDATED: 26 OCT 2005 (20051026/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>

[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s agglutination

22339 AGGLUTINATION

135 AGGLUTINATIONS

L1 22377 AGGLUTINATION

(AGGLUTINATION OR AGGLUTINATIONS)

=> s PSA or (prostate specific antigen)

10786 PSA

152 PSAS

10859 PSA

(PSA OR PSAS)

68269 PROSTATE

1911 PROSTATES

68401 PROSTATE

(PROSTATE OR PROSTATES)

963492 SPECIFIC

1003 SPECIFICS

964299 SPECIFIC

(SPECIFIC OR SPECIFICS)

351437 ANTIGEN

422666 ANTIGENS

592041 ANTIGEN

(ANTIGEN OR ANTIGENS)

12426 PROSTATE SPECIFIC ANTIGEN

(PROSTATE(W) SPECIFIC(W) ANTIGEN)

L2 15767 PSA OR (PROSTATE SPECIFIC ANTIGEN)

```
=> s immunoassay or (immunological assay)
      37328 IMMUNOASSAY
      7464 IMMUNOASSAYS
      41906 IMMUNOASSAY
            (IMMUNOASSAY OR IMMUNOASSAYS)
      74099 IMMUNOLOGICAL
            8 IMMUNOLOGICALS
      74105 IMMUNOLOGICAL
            (IMMUNOLOGICAL OR IMMUNOLOGICALS)
      372531 ASSAY
      141126 ASSAYS
      471133 ASSAY
            (ASSAY OR ASSAYS)
            771 IMMUNOLOGICAL ASSAY
            (IMMUNOLOGICAL(W)ASSAY)
L3      42585 IMMUNOASSAY OR (IMMUNOLOGICAL ASSAY)
```

```
=> s 12 and 13
L4      444 L2 AND L3
```

```
=> s 11 and 14
L5      1 L1 AND L4
```

```
=> d ibib
```

```
L5      ANSWER 1 OF 1      MEDLINE on STN
ACCESSION NUMBER: 97007897 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8855156
TITLE: Performance evaluation of automated immunoassays
on the Technicon Immuno 1 system.
AUTHOR: Letellier M; Levesque A; Daigle F; Grant A
CORPORATE SOURCE: Centre for Research and Evaluation in Immunodiagnostics,
Department of Clinical Biochemistry, Centre Universitaire
de Sante de L'Estrrie, Sherbrooke, Canada.
SOURCE: Clinical chemistry, (1996 Oct) 42 (10) 1695-701.
Journal code: 9421549. ISSN: 0009-9147.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199612
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 19970128
Entered Medline: 19961205
```

```
=> d ibib abs
```

```
L5      ANSWER 1 OF 1      MEDLINE on STN
ACCESSION NUMBER: 97007897 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8855156
TITLE: Performance evaluation of automated immunoassays
on the Technicon Immuno 1 system.
AUTHOR: Letellier M; Levesque A; Daigle F; Grant A
CORPORATE SOURCE: Centre for Research and Evaluation in Immunodiagnostics,
Department of Clinical Biochemistry, Centre Universitaire
de Sante de L'Estrrie, Sherbrooke, Canada.
SOURCE: Clinical chemistry, (1996 Oct) 42 (10) 1695-701.
Journal code: 9421549. ISSN: 0009-9147.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199612
ENTRY DATE: Entered STN: 19970128
```

Last Updated on STN: 19970128

Entered Medline: 19961205

AB We performed an immunoassay evaluation for various analytes on a fully automated random-access analyzer, the Technicon Immuno 1 system from Bayer Corp. This system involves latex agglutination, magnetic separation sandwich, and magnetic separation competitive immunoassay configurations. The evaluated analytes were thyrotropin (TSH), triiodothyronine, thyroxine, free thyroxine, follitropin, lutropin, prolactin, beta subunit of human chorionic gonadotropin, cortisol, ferritin, alpha-fetoprotein, carcinoembryonic antigen, and prostate-specific antigen. We tested the assay precision, linearity, and correlation with comparison methods for these analytes. The functional sensitivity of the TSH assay and the sample-to-sample carryover were also studied. Excellent results were obtained for within-run and between-day precision studies, with most assays showing within-run CVs <4% and between-day CVs <6%. The linearity for all assays was acceptable and the correlation between Immuno 1 assays and comparison methods showed satisfactory results. The functional sensitivity of the TSH assay was estimated at 0.04 mU/L. No sample-to-sample carryover was detected.

=> s polymer and l1

29274 POLYMER

42265 POLYMERS

59984 POLYMER

(POLYMER OR POLYMERS)

L6 142 POLYMER AND L1

=> d his

(FILE 'HOME' ENTERED AT 14:13:03 ON 27 OCT 2005)

FILE 'MEDLINE' ENTERED AT 14:13:19 ON 27 OCT 2005

L1 22377 S AGGLUTINATION

L2 15767 S PSA OR (PROSTATE SPECIFIC ANTIGEN)

L3 42585 S IMMUNOASSAY OR (IMMUNOLOGICAL ASSAY)

L4 444 S L2 AND L3

L5 1 S L1 AND L4

L6 142 S POLYMER AND L1

=> s polymer

29274 POLYMER

42265 POLYMERS

L7 59984 POLYMER

(POLYMER OR POLYMERS)

=> s polymer?

L8 347935 POLYMER?

=> s l8 and l3

L9 2678 L8 AND L3

=> s l9 and l2

L10 20 L9 AND L2

=> s l10 not py>2000

2717056 PY>2000

L11 11 L10 NOT PY>2000

=> s phosphorylcholine

3836 PHOSPHORYLCHOLINE

21 PHOSPHORYLCHOLINES

L12 3846 PHOSPHORYLCHOLINE

(PHOSPHORYLCHOLINE OR PHOSPHORYLCHOLINES)

=> s l12 and l10  
L13           0 L12 AND L10

=> s ?phosphorylcholine?  
L14           4766 ?PHOSPHORYLCHOLINE?

=> s l14 and l10  
L15           0 L14 AND L10

=> s l11 not py>1999  
          3206229 PY>1999  
L16           8 L11 NOT PY>1999

=> d ibib 1-4

L16 ANSWER 1 OF 8           MEDLINE on STN  
ACCESSION NUMBER:   2000128941       MEDLINE  
DOCUMENT NUMBER:    PubMed ID: 10667479  
TITLE:              Evaluation of some tissue and serum biomarkers in prostatic  
                      carcinoma among Egyptian males.  
AUTHOR:             Ahmed M I; Abd-Elmotelib F; Farag R M; Ziada N A; Khalifa A  
CORPORATE SOURCE:   Biochemistry Department, Ain Shams Faculty of Medicine,  
                      Abassia, Cairo, Egypt.  
SOURCE:             Clinical biochemistry, (1999 Aug) 32 (6) 439-45.  
                      Journal code: 0133660. ISSN: 0009-9120.  
PUB. COUNTRY:       United States  
DOCUMENT TYPE:       Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE:           English  
FILE SEGMENT:       Priority Journals  
ENTRY MONTH:         200003  
ENTRY DATE:          Entered STN: 20000330  
                      Last Updated on STN: 20000330  
                      Entered Medline: 20000321

L16 ANSWER 2 OF 8           MEDLINE on STN  
ACCESSION NUMBER:   2000012826       MEDLINE  
DOCUMENT NUMBER:    PubMed ID: 10545065  
TITLE:              Two-site expression immunoassay using a firefly  
                      luciferase-coding DNA label.  
AUTHOR:             Chiu N H; Christopoulos T K  
CORPORATE SOURCE:   Department of Chemistry and Biochemistry, University of  
                      Windsor, 401 Sunset Ave., Windsor, Ontario, N9B 3P4 Canada.  
SOURCE:             Clinical chemistry, (1999 Nov) 45 (11) 1954-9.  
                      Journal code: 9421549. ISSN: 0009-9147.  
PUB. COUNTRY:       United States  
DOCUMENT TYPE:       Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE:           English  
FILE SEGMENT:       Priority Journals  
ENTRY MONTH:         199911  
ENTRY DATE:          Entered STN: 20000111  
                      Last Updated on STN: 20000111  
                      Entered Medline: 19991118

L16 ANSWER 3 OF 8           MEDLINE on STN  
ACCESSION NUMBER:   1999101709       MEDLINE  
DOCUMENT NUMBER:    PubMed ID: 9886618  
TITLE:              Enzyme-linked immunosorbent assay detection of  
                      prostate-specific antigen  
                      messenger ribonucleic acid in prostate cancer.  
AUTHOR:             Hoshi S; Kobayashi S; Takahashi T; Suzuki K I; Kawamura S;  
                      Satoh M; Chiba Y; Orikasa S  
CORPORATE SOURCE:   Department of Urology, Tohoku University School of  
                      Medicine, Sendai, Japan.  
SOURCE:             Urology, (1999 Jan) 53 (1) 228-35.

JOURNAL code: 0366151. ISSN: 0090-4295.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199902  
ENTRY DATE: Entered STN: 19990223  
Last Updated on STN: 19990223  
Entered Medline: 19990209

L16 ANSWER 4 OF 8 MEDLINE on STN  
ACCESSION NUMBER: 97107620 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8950360  
TITLE: Prostate-specific human kallikrein (hK2) as a novel marker  
for prostate cancer.  
AUTHOR: Young C Y; Seay T; Hogen K; Charlesworth M C; Roche P C;  
Klee G G; Tindall D J  
CORPORATE SOURCE: Department of Urology, Medical School, Mayo  
Clinic/Foundation, Rochester, Minnesota 55905, USA.  
SOURCE: Prostate. Supplement, (1996) 7 17-24. Ref: 41  
Journal code: 9003050. ISSN: 1050-5881.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199701  
ENTRY DATE: Entered STN: 19970128  
Last Updated on STN: 20000303  
Entered Medline: 19970102

=> d ibib abs 1

L16 ANSWER 1 OF 8 MEDLINE on STN  
ACCESSION NUMBER: 2000128941 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 10667479  
TITLE: Evaluation of some tissue and serum biomarkers in prostatic  
carcinoma among Egyptian males.  
AUTHOR: Ahmed M I; Abd-Elmotelib F; Farag R M; Ziada N A; Khalifa A  
CORPORATE SOURCE: Biochemistry Department, Ain Shams Faculty of Medicine,  
Abassia, Cairo, Egypt.  
SOURCE: Clinical biochemistry, (1999 Aug) 32 (6) 439-45.  
Journal code: 0133660. ISSN: 0009-9120.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200003  
ENTRY DATE: Entered STN: 20000330  
Last Updated on STN: 20000330  
Entered Medline: 20000321

AB OBJECTIVES: The purpose of this study is to evaluate the role of soluble  
E-cadherin as a serum marker and bcl-2 and DNA content as tissue markers  
in characterization and management of prostatic adenocarcinoma (PC) among  
Egyptian males. DESIGN AND METHODS: The study group included 71 patients  
with prostatic adenocarcinoma, 30 patients with benign prostatic  
hyperplasia (BPH), and 20 normal male subjects. Serum soluble E-cadherin  
(sE-cadherin) and PSA were quantified by ELISA and MEIA  
(microparticle enzyme immunoassay) techniques, respectively.  
Tissue samples were investigated for bcl-2 chromosomal translocation  
t(14;18) by polymerase chain reaction (PCR) together with  
detection of bcl-2 protein expression by immunohistochemistry. The  
results were correlated with DNA content (as defined by flow cytometric

analysis) and also with traditional clinicopathologic parameters. RESULTS: Our data revealed that, serum PSA was superior to sE-cadherin as a marker for PC with a sensitivity of 83% compared to 59% in case of E-cadherin at the same specificity (96.6%). Combination of both markers raised the sensitivity to 90%. E-cadherin correlated with Gleason score. Ploidy status, synthetic phase fraction (SPF), and proliferation index (PI) correlated significantly with tumor Gleason score. PI was also correlated to clinical stage. bcl-2 protein was overexpressed in 14% of PC and it showed a trend for correlation with tumor Gleason score (p = 0.06). We failed to detect chromosomal t(14;18) in the bcl-2 gene in all the studied tumors. CONCLUSIONS: E-Cadherin is a clinically useful biomarker in PC specially in combination with PSA. DNA content changes and bcl-2 oncogene may account for tumorogenesis and may assist in prognostication of PC.

=> d ibib 5-8

L16 ANSWER 5 OF 8 MEDLINE on STN  
 ACCESSION NUMBER: 96265100 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 8665481  
 TITLE: Role of prostatic basal cells in the regulation and suppression of human prostate cancer cells.  
 AUTHOR: Miniati D N; Chang Y; Shu W P; Peehl D M; Liu B C  
 CORPORATE SOURCE: Department of Urology, Mount Sinai School of Medicine, New York, NY 10029, USA.  
 CONTRACT NUMBER: R01CA51968 (NCI)  
 SOURCE: Cancer letters, (1996 Jul 12) 104 (2) 137-44.  
 Journal code: 7600053. ISSN: 0304-3835.  
 PUB. COUNTRY: Ireland  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199608  
 ENTRY DATE: Entered STN: 19960819  
 Last Updated on STN: 19970203  
 Entered Medline: 19960808

L16 ANSWER 6 OF 8 MEDLINE on STN  
 ACCESSION NUMBER: 95228035 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 7536128  
 TITLE: Expression of the prostate-specific antigen gene by a primary ovarian carcinoma.  
 AUTHOR: Yu H; Diamandis E P; Levesque M; Asa S L; Monne M; Croce C M  
 CORPORATE SOURCE: Department of Pathology, Mount Sinai Hospital, Toronto, Ontario, Canada.  
 SOURCE: Cancer research, (1995 Apr 15) 55 (8) 1603-6.  
 Journal code: 2984705R. ISSN: 0008-5472.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: (CASE REPORTS)  
 Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199505  
 ENTRY DATE: Entered STN: 19950524  
 Last Updated on STN: 19960129  
 Entered Medline: 19950515

L16 ANSWER 7 OF 8 MEDLINE on STN  
 ACCESSION NUMBER: 95026006 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 7524153  
 TITLE: Newer applications of serum prostate-specific antigen in the management of prostate cancer.

AUTHOR: Takayama T K; Vessella R L; Lange P H  
 CORPORATE SOURCE: Department of Urology, University of Washington Medical Center, Seattle.  
 SOURCE: Seminars in oncology, (1994 Oct) 21 (5) 542-53. Ref: 75  
 Journal code: 0420432. ISSN: 0093-7754.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199411  
 ENTRY DATE: Entered STN: 19941222  
 Last Updated on STN: 19960129  
 Entered Medline: 19941108

L16 ANSWER 8 OF 8 MEDLINE on STN  
 ACCESSION NUMBER: 90125101 MEDLINE  
 DOCUMENT NUMBER: PubMed ID: 1688745  
 TITLE: Determination of prostate-specific antigen in serum by immunoradiometric assay.  
 AUTHOR: Lindstedt G; Jacobsson A; Lundberg P A; Hedelin H; Pettersson S; Unsgaard B  
 CORPORATE SOURCE: Department of Clinical Chemistry, University of Gothenburg, Sahlgren's Hospital, Sweden.  
 SOURCE: Clinical chemistry, (1990 Jan) 36 (1) 53-8.  
 Journal code: 9421549. ISSN: 0009-9147.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199003  
 ENTRY DATE: Entered STN: 19900328  
 Last Updated on STN: 19960129  
 Entered Medline: 19900306

=> file medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.15	6.36

FILE 'MEDLINE' ENTERED AT 14:20:00 ON 27 OCT 2005

FILE LAST UPDATED: 26 OCT 2005 (20051026/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

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<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
----------------------	------------------	---------------

FULL ESTIMATED COST

0.38

6.74

FILE 'CAPLUS' ENTERED AT 14:20:06 ON 27 OCT 2005  
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FILE COVERS 1907 - 27 Oct 2005 VOL 143 ISS 18  
FILE LAST UPDATED: 26 Oct 2005 (20051026/ED)

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<http://www.cas.org/infopolicy.html>

=> file pctfull  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.45	7.19

FULL ESTIMATED COST

FILE 'PCTFULL' ENTERED AT 14:20:17 ON 27 OCT 2005  
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FILE LAST UPDATED: 25 OCT 2005 <20051025/UP>  
MOST RECENT UPDATE WEEK: 200542 <200542/EW>  
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> KWIC format free of charge - SEE NEWS >>>

=> s agglutination

5050 AGGLUTINATION  
81 AGGLUTINATIONS  
L17 5082 AGGLUTINATION  
(AGGLUTINATION OR AGGLUTINATIONS)

=> l17/ab

L17 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l17/ab

294 AGGLUTINATION/AB  
11 AGGLUTINATIONS/AB  
L18 304 (AGGLUTINATION/AB)  
( (AGGLUTINATION OR AGGLUTINATIONS) /AB)

=> s l17/ti

75 AGGLUTINATION/TI  
2 AGGLUTINATIONS/TI  
L19 77 (AGGLUTINATION/TI)  
( (AGGLUTINATION OR AGGLUTINATIONS) /TI)



=> s 119 or 118  
L20 318 L19 OR L18

=> s psa or (prostae specific antigen)  
6045 PSA  
504 PSAS  
6105 PSA  
(PSA OR PSAS)  
2 PROSTAE  
424900 SPECIFIC  
5844 SPECIFICS  
425908 SPECIFIC  
(SPECIFIC OR SPECIFICS)  
52256 ANTIGEN  
35158 ANTIGENS  
57405 ANTIGEN  
(ANTIGEN OR ANTIGENS)  
0 PROSTAE SPECIFIC ANTIGEN  
(PROSTAE(W)SPECIFIC(W)ANTIGEN)  
L21 6105 PSA OR (PROSTAE SPECIFIC ANTIGEN)

=> s 121 and 120  
L22 2 L21 AND L20

=> d ibib 2

L22 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 1996038115 PCTFULL ED 20020514  
TITLE (ENGLISH): METHOD OF USING LECTINS FOR AGGLUTINATION AND  
COLLECTION OF MENSTRUAL FLOW  
TITLE (FRENCH): METHODE D'UTILISATION DE LECTINES POUR L'  
AGGLUTINATION ET LE RECUEIL DU FLUX MENSTRUEL  
INVENTOR(S): KRIVAN, Howard, C.;  
OLDHAM, Michael, J.;  
POTTER, Richard, C.  
PATENT ASSIGNEE(S): LECTIN BIOPHARMA, INC.  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:  

NUMBER	KIND	DATE
-----		
WO 9638115	A1	19961205

  
DESIGNATED STATES  
W: AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL  
PT SE  
APPLICATION INFO.: WO 1996-US8023 A 19960530  
PRIORITY INFO.: US 1995-8/453,390 19950530

=> d ibib 1

L22 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2000005571 PCTFULL ED 20020515  
TITLE (ENGLISH): AGGLUTINATION ASSAYS  
TITLE (FRENCH): REACTIONS D'AGGLUTINATION  
INVENTOR(S): SUNDREHAGEN, Erling;  
BREMNES, Dag;  
GOGSTAD, Geir, Olav  
PATENT ASSIGNEE(S): AXIS BIOCHEMICALS ASA;  
DIXON, Philip, Matthew;  
SUNDREHAGEN, Erling;  
BREMNES, Dag;  
GOGSTAD, Geir, Olav  
LANGUAGE OF PUBL.: English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2000005571	A1	20000203
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DESIGNATED STATES

W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD  
TG

APPLICATION INFO.:

WO 1999-GB2398	A	19990723
----------------	---	----------

PRIORITY INFO.:

GB 1998-9816088.0		19980723
-------------------	--	----------

=> s ?phosphorylcholine?

L23 633 ?PHOSPHORYLCHOLINE?

=> s his

99296 HIS

22 HISES

L24 99312 HIS

(HIS OR HISES)

=> d his

(FILE 'HOME' ENTERED AT 14:13:03 ON 27 OCT 2005)

FILE 'MEDLINE' ENTERED AT 14:13:19 ON 27 OCT 2005

L1 22377 S AGGLUTINATION  
L2 15767 S PSA OR (PROSTATE SPECIFIC ANTIGEN)  
L3 42585 S IMMUNOASSAY OR (IMMUNOLOGICAL ASSAY)  
L4 444 S L2 AND L3  
L5 1 S L1 AND L4  
L6 142 S POLYMER AND L1  
L7 59984 S POLYMER  
L8 347935 S POLYMER?  
L9 2678 S L8 AND L3  
L10 20 S L9 AND L2  
L11 11 S L10 NOT PY>2000  
L12 3846 S PHOSPHORYLCHOLINE  
L13 0 S L12 AND L10  
L14 4766 S ?PHOSPHORYLCHOLINE?  
L15 0 S L14 AND L10  
L16 8 S L11 NOT PY>1999

FILE 'MEDLINE' ENTERED AT 14:20:00 ON 27 OCT 2005

FILE 'CAPLUS' ENTERED AT 14:20:06 ON 27 OCT 2005

FILE 'PCTFULL' ENTERED AT 14:20:17 ON 27 OCT 2005

L17 5082 S AGGLUTINATION  
L18 304 S L17/AB  
L19 77 S L17/TI  
L20 318 S L19 OR L18  
L21 6105 S PSA OR (PROSTAE SPECIFIC ANTIGEN)  
L22 2 S L21 AND L20  
L23 633 S ?PHOSPHORYLCHOLINE?  
L24 99312 S HIS

=> s l22 and l23

L25 0 L22 AND L23

=> s copolymer and l22  
56882 COPOLYMER  
57423 COPOLYMERS  
79064 COPOLYMER  
(COPOLYMER OR COPOLYMERS)  
L26 0 COPOLYMER AND L22

=> d his

(FILE 'HOME' ENTERED AT 14:13:03 ON 27 OCT 2005)

FILE 'MEDLINE' ENTERED AT 14:13:19 ON 27 OCT 2005

L1 22377 S AGGLUTINATION  
L2 15767 S PSA OR (PROSTATE SPECIFIC ANTIGEN)  
L3 42585 S IMMUNOASSAY OR (IMMUNOLOGICAL ASSAY)  
L4 444 S L2 AND L3  
L5 1 S L1 AND L4  
L6 142 S POLYMER AND L1  
L7 59984 S POLYMER  
L8 347935 S POLYMER?  
L9 2678 S L8 AND L3  
L10 20 S L9 AND L2  
L11 11 S L10 NOT PY>2000  
L12 3846 S PHOSPHORYLCHOLINE  
L13 0 S L12 AND L10  
L14 4766 S ?PHOSPHORYLCHOLINE?  
L15 0 S L14 AND L10  
L16 8 S L11 NOT PY>1999

FILE 'MEDLINE' ENTERED AT 14:20:00 ON 27 OCT 2005

FILE 'CAPLUS' ENTERED AT 14:20:06 ON 27 OCT 2005

FILE 'PCTFULL' ENTERED AT 14:20:17 ON 27 OCT 2005

L17 5082 S AGGLUTINATION  
L18 304 S L17/AB  
L19 77 S L17/TI  
L20 318 S L19 OR L18  
L21 6105 S PSA OR (PROSTAE SPECIFIC ANTIGEN)  
L22 2 S L21 AND L20  
L23 633 S ?PHOSPHORYLCHOLINE?  
L24 99312 S HIS  
L25 0 S L22 AND L23  
L26 0 S COPOLYMER AND L22

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

8.97

16.16

STN INTERNATIONAL LOGOFF AT 14:24:17 ON 27 OCT 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,  
STN AnaVist, now available  
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America  
NEWS 5 AUG 30 CA/CAPplus -Increased access to 19th century research documents  
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 OCT 03 MATHDI removed from STN  
NEWS 9 OCT 04 CA/CAPplus-Canadian Intellectual Property Office (CIPO) added  
to core patent offices  
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America  
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
of CAPplus documents for use in third-party analysis and  
visualization tools  
NEWS 13 OCT 27 Free KWIC format extended in full-text databases  
NEWS 14 OCT 27 DIOGENES content streamlined  
NEWS 15 OCT 27 EPFULL enhanced with additional content  
  
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
specific topic.

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agreement. Please note that this agreement limits use to scientific  
research. Use for software development or design or implementation  
of commercial gateways or other similar uses is prohibited and may  
result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:25:15 ON 27 OCT 2005

=> file pctfull  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'PCTFULL' ENTERED AT 14:25:26 ON 27 OCT 2005

COPYRIGHT (C) 2005 Univentio

FILE LAST UPDATED: 25 OCT 2005 <20051025/UP>  
MOST RECENT UPDATE WEEK: 200542 <200542/EW>  
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> KWIC format free of charge - SEE NEWS >>>

=> s phosphorylcholine  
509 PHOSPHORYLCHOLINE  
12 PHOSPHORYLCHOLINES  
L1 516 PHOSPHORYLCHOLINE  
(PHOSPHORYLCHOLINE OR PHOSPHORYLCHOLINES)

=> s monomer or polymer or copolymer  
46785 MONOMER  
44977 MONOMERS  
63112 MONOMER  
(MONOMER OR MONOMERS)  
155942 POLYMER  
120634 POLYMERS  
185756 POLYMER  
(POLYMER OR POLYMERS)  
56882 COPOLYMER  
57423 COPOLYMERS  
79064 COPOLYMER  
(COPOLYMER OR COPOLYMERS)  
L2 203521 MONOMER OR POLYMER OR COPOLYMER

=> s immunoassay or (immunological assay)  
18718 IMMUNOASSAY  
16537 IMMUNOASSAYS  
24488 IMMUNOASSAY  
(IMMUNOASSAY OR IMMUNOASSAYS)  
31182 IMMUNOLOGICAL  
61 IMMUNOLOGICALS  
31211 IMMUNOLOGICAL  
(IMMUNOLOGICAL OR IMMUNOLOGICALS)  
97343 ASSAY  
75517 ASSAYS  
105104 ASSAY  
(ASSAY OR ASSAYS)  
2386 IMMUNOLOGICAL ASSAY  
(IMMUNOLOGICAL(W)ASSAY)  
L3 25335 IMMUNOASSAY OR (IMMUNOLOGICAL ASSAY)

=> s l1 and l2 and l3  
L4 97 L1 AND L2 AND L3

=> s psa or (prostate specific antigen)  
6045 PSA  
504 PSAS  
6105 PSA  
(PSA OR PSAS)  
22199 PROSTATE  
391 PROSTATES  
22213 PROSTATE  
(PROSTATE OR PROSTATES)  
424900 SPECIFIC  
5844 SPECIFICS  
425908 SPECIFIC  
(SPECIFIC OR SPECIFICS)  
52256 ANTIGEN

35158 ANTIGENS  
57405 ANTIGEN  
(ANTIGEN OR ANTIGENS)  
2582 PROSTATE SPECIFIC ANTIGEN  
(PROSTATE(W) SPECIFIC(W) ANTIGEN)  
L5 6714 PSA OR (PROSTATE SPECIFIC ANTIGEN)

=> s 14 and 15  
L6 15 L4 AND L5

=> s 16 not py>2000  
524260 PY>2000  
L7 2 L6 NOT PY>2000

=> d ibib 1-2

L7 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2001051638 PCTFULL  
no bibliographic data available - please use FPI for PI information  
DESIGNATED STATES

L7 ANSWER 2 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN  
ACCESSION NUMBER: 2000025812 PCTFULL ED 20020515  
TITLE (ENGLISH): METHOD FOR PREPARING SOLID PHASE CONJUGATE VACCINES  
TITLE (FRENCH): PREPARATION DE VACCINS CONJUGUES EN PHASE SOLIDE  
INVENTOR(S): LEES, Andrew  
PATENT ASSIGNEE(S): LEES, Andrew  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2000025812	A2	20000511
W:	AU CA JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE		
APPLICATION INFO.:	WO 1999-US25425	A	19991029
PRIORITY INFO.:	US 1998-60/106,090		19981029

=> d abs 1

L7 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2005 Univentio on STN

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.87	7.08

STN INTERNATIONAL LOGOFF AT 14:28:20 ON 27 OCT 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:

x

Welcome to STN International! Enter x:

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	4	AUG 11	STN AnaVist workshops to be held in North America
NEWS	5	AUG 30	CA/CAPLUS - Increased access to 19th century research documents
NEWS	6	AUG 30	CASREACT - Enhanced with displayable reaction conditions
NEWS	7	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS	8	OCT 03	MATHDI removed from STN
NEWS	9	OCT 04	CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS	10	OCT 06	STN AnaVist workshops to be held in North America
NEWS	11	OCT 13	New CAS Information Use Policies Effective October 17, 2005
NEWS	12	OCT 17	STN(R) AnaVist(TM), Version 1.01, allows the export/download of CAPLUS documents for use in third-party analysis and visualization tools
NEWS	13	OCT 27	Free KWIC format extended in full-text databases
NEWS	14	OCT 27	DIOGENES content streamlined
NEWS	15	OCT 27	EPFULL enhanced with additional content
NEWS EXPRESS		JUNE 13	CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS INTER			General Internet Information
NEWS LOGIN			Welcome Banner and News Items
NEWS PHONE			Direct Dial and Telecommunication Network Access to STN
NEWS WWW			CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:59:11 ON 27 OCT 2005

=> agglutination

AGGLUTINATION IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> file medline  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 15:59:29 ON 27 OCT 2005

FILE LAST UPDATED: 26 OCT 2005 (20051026/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP  
RLOAD at an arrow prompt (=>). See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the  
MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

```
=> s agglutination
      22339 AGGLUTINATION
      135 AGGLUTINATIONS
L1      22377 AGGLUTINATION
      (AGGLUTINATION OR AGGLUTINATIONS)
```

```
=> s assay or immunoassay
      372531 ASSAY
      141126 ASSAYS
      471133 ASSAY
      (ASSAY OR ASSAYS)
      37328 IMMUNOASSAY
      7464 IMMUNOASSAYS
      41906 IMMUNOASSAY
      (IMMUNOASSAY OR IMMUNOASSAYS)
L2      495145 ASSAY OR IMMUNOASSAY
```

```
=> s l1 and l2
L3      4088 L1 AND L2
```

```
=> s (prostate specific antigen) or psa
      68269 PROSTATE
      1911 PROSTATES
      68401 PROSTATE
      (PROSTATE OR PROSTATES)
      963492 SPECIFIC
      1003 SPECIFICS
      964299 SPECIFIC
      (SPECIFIC OR SPECIFICS)
      351437 ANTIGEN
      422666 ANTIGENS
      592041 ANTIGEN
      (ANTIGEN OR ANTIGENS)
      12426 PROSTATE SPECIFIC ANTIGEN
      (PROSTATE(W) SPECIFIC(W) ANTIGEN)
      10786 PSA
      152 PSAS
      10859 PSA
      (PSA OR PSAS)
```



L4 15767 (PROSTATE SPECIFIC ANTIGEN) OR PSA

=> s 14 and 13

L5 7 L4 AND L3

=> s 15 not py>2001

2198434 PY>2001

L6 7 L5 NOT PY>2001

=> d ibib 1-4

L6 ANSWER 1 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 2001399902 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 11451022  
TITLE: Role of cyclic adenosine 3',5'-monophosphate and serum albumin in head-to-head agglutination of boar spermatozoa.  
AUTHOR: Harayama H; Miyake M; Kato S  
CORPORATE SOURCE: Department of Life Science, Graduate School of Science and Technology, Kobe University, Nada, Japan..  
harayama@ans.kobe-u.ac.jp  
SOURCE: Reproduction, fertility, and development, (2000) 12 (5-6) 307-18.  
Journal code: 8907465. ISSN: 1031-3613.  
PUB. COUNTRY: Australia  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200108  
ENTRY DATE: Entered STN: 20010813  
Last Updated on STN: 20020924  
Entered Medline: 20010809

L6 ANSWER 2 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 1998242659 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 9583357  
TITLE: Recent advances in clinical/molecular andrology.  
AUTHOR: Hafez B  
CORPORATE SOURCE: Andrology Laboratory, Hafez/Hafez Reproductive Health Center, Kiawah Island, South Carolina 29455, USA.  
SOURCE: Archives of andrology, (1998 May-Jun) 40 (3) 187-210. Ref: 54  
Journal code: 7806755. ISSN: 0148-5016.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals; AIDS  
ENTRY MONTH: 199806  
ENTRY DATE: Entered STN: 19980618  
Last Updated on STN: 19980618  
Entered Medline: 19980611

L6 ANSWER 3 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 97007897 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8855156  
TITLE: Performance evaluation of automated immunoassays on the Technicon Immuno 1 system.  
AUTHOR: Letellier M; Levesque A; Daigle F; Grant A  
CORPORATE SOURCE: Centre for Research and Evaluation in Immunodiagnosics, Department of Clinical Biochemistry, Centre Universitaire de Sante de L'Estrie, Sherbrooke, Canada.  
SOURCE: Clinical chemistry, (1996 Oct) 42 (10) 1695-701.  
Journal code: 9421549. ISSN: 0009-9147.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199612  
ENTRY DATE: Entered STN: 19970128  
Last Updated on STN: 19970128  
Entered Medline: 19961205

L6 ANSWER 4 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 96048275 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 8537249  
TITLE: Functional characterization of the primate sperm acrosomal antigen (PSA-63).  
AUTHOR: Archibong A E; Lee C Y; Wolf D P  
CORPORATE SOURCE: Division of Reproductive Sciences, Oregon Regional Primate Research Center, Beaverton 97006, USA.  
CONTRACT NUMBER: HD23786 (NICHD)  
RR00163 (NCRR)  
SOURCE: Journal of andrology, (1995 Jul-Aug) 16 (4) 318-26.  
Journal code: 8106453. ISSN: 0196-3635.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199602  
ENTRY DATE: Entered STN: 19960221  
Last Updated on STN: 19960221  
Entered Medline: 19960207

=> d ibib 5-7

L6 ANSWER 5 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 93236251 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 7682795  
TITLE: Coagulopathy in the prostate cancer patient: prevalence and clinical relevance.  
AUTHOR: Adamson A S; Francis J L; Witherow R O; Snell M E  
CORPORATE SOURCE: Department of Urology, St Mary's Hospital, London.  
SOURCE: Annals of the Royal College of Surgeons of England, (1993 Mar) 75 (2) 100-4.  
Journal code: 7506860. ISSN: 0035-8843.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199305  
ENTRY DATE: Entered STN: 19930604  
Last Updated on STN: 19980206  
Entered Medline: 19930520

L6 ANSWER 6 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 91341676 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 1908520  
TITLE: Use of sperm viability and acrosomal status assays in combination with immunofluorescence technique to ascertain surface expression of sperm antigens.  
AUTHOR: Fichorova R; Anderson D J  
CORPORATE SOURCE: Department of Obstetrics, Gynecology and Reproductive Biology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA 02115.  
SOURCE: Journal of reproductive immunology, (1991 May) 20 (1) 1-13.  
Journal code: 8001906. ISSN: 0165-0378.  
Report No.: PIP-068941; POP-00206580.

PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals; Population  
ENTRY MONTH: 199109  
ENTRY DATE: Entered STN: 19911013  
Last Updated on STN: 20021101  
Entered Medline: 19910925

L6 ANSWER 7 OF 7 MEDLINE on STN  
ACCESSION NUMBER: 84274031 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 6463523  
TITLE: Rheumatoid factors in psoriatic arthropathy and in  
Waller-Rose negative rheumatoid arthritis.  
AUTHOR: Tarkowski A; Nilsson L A  
SOURCE: Rheumatology international, (1984) 4 (3) 115-7.  
Journal code: 8206885. ISSN: 0172-8172.  
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198409  
ENTRY DATE: Entered STN: 19900320  
Last Updated on STN: 19900320  
Entered Medline: 19840905

=> d kwic 5

L6 ANSWER 5 OF 7 MEDLINE on STN  
AB . . . (BPH) as controls. Haemostatic activation was assessed by  
measuring fibrinopeptide A (FpA) by an ELISA and D-dimer by a latex  
agglutination assay. FpA and D-dimer levels were  
correlated with serum prostate specific  
antigen (PSA) and bone scan status. Of the cancer  
patients, 40% had elevated FpA, levels being higher in those with bone  
scan. . . in 24% of those with prostate cancer but in none with BPH.  
Neither FpA nor D-dimer were related to serum PSA but D-dimer  
appeared to be a predictor of bone scan status with a positive predictive  
value of 91%. It is. . .

CT . . .

AN, analysis

\*Disseminated Intravascular Coagulation: ET, etiology  
Fibrin Fibrinogen Degradation Products: AN, analysis  
Fibrinopeptide A: AN, analysis  
Humans

Prospective Studies

Prostate-Specific Antigen: BL, blood

Prostatic Neoplasms: BL, blood

\*Prostatic Neoplasms: CO, complications

Research Support, Non-U.S. Gov't

Tumor Markers, Biological: BL, . . .

CN 0 (Antifibrinolytic Agents); 0 (Fibrin Fibrinogen Degradation Products); 0  
(Tumor Markers, Biological); 0 (fibrin fragment D); EC 3.4.21.77 (Prostate-Specific Antigen)

=> file cancerlit

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.38

2.59

FILE 'CANCERLIT' ENTERED AT 16:01:15 ON 27 OCT 2005

FILE COVERS 1963 TO 15 Nov 2002 (20021115/ED)

On July 28, 2002, CANCERLIT was reloaded. See HELP RLOAD for details.

CANCERLIT thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2002 vocabulary. Enter HELP THESAURUS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s agglutination
      1379 AGGLUTINATION
        7 AGGLUTINATIONS
L7      1380 AGGLUTINATION
          (AGGLUTINATION OR AGGLUTINATIONS)
```

```
=> s (prostate specific antigen) or psa
      39187 PROSTATE
        1014 PROSTATES
        39269 PROSTATE
          (PROSTATE OR PROSTATES)
      217249 SPECIFIC
        128 SPECIFICS
      217355 SPECIFIC
          (SPECIFIC OR SPECIFICS)
      126104 ANTIGEN
      125899 ANTIGENS
      189890 ANTIGEN
          (ANTIGEN OR ANTIGENS)
        8790 PROSTATE SPECIFIC ANTIGEN
          (PROSTATE(W) SPECIFIC(W) ANTIGEN)
        6493 PSA
          55 PSAS
        6500 PSA
          (PSA OR PSAS)
L8      9819 (PROSTATE SPECIFIC ANTIGEN) OR PSA
```

```
=> s 18 and 19
```

```
L9 NOT FOUND
```

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

```
=> s 18 and 17
```

```
L9      3 L8 AND L7
```

```
=> d ibib 1-3
```

```
L9  ANSWER 1 OF 3  CANCERLIT on STN
ACCESSION NUMBER:  1998242659  CANCERLIT
DOCUMENT NUMBER:   98242659    PubMed ID: 9583357
TITLE:             Recent advances in clinical/molecular andrology.
AUTHOR:            Hafez B
CORPORATE SOURCE:  Andrology Laboratory, Hafez/Hafez Reproductive Health
                   Center, Kiawah Island, South Carolina 29455, USA.
SOURCE:            ARCHIVES OF ANDROLOGY, (1998 May-Jun) 40 (3) 187-210.  Ref:
                   54
                   Journal code: 7806755. ISSN: 0148-5016.
PUB. COUNTRY:      ENGLAND: United Kingdom
DOCUMENT TYPE:      Journal; Article; (JOURNAL ARTICLE)
                   General Review; (REVIEW)
                   (REVIEW, TUTORIAL)
LANGUAGE:           English
FILE SEGMENT:       MEDLINE; Priority Journals; AIDS
OTHER SOURCE:        MEDLINE 1998242659
ENTRY MONTH:         199806
ENTRY DATE:          Entered STN: 19980713
```

Last Updated on STN: 19980713

L9 ANSWER 2 OF 3 CANCERLIT on STN  
ACCESSION NUMBER: 97007897 CANCERLIT  
DOCUMENT NUMBER: 97007897 PubMed ID: 8855156  
TITLE: Performance evaluation of automated immunoassays on the  
Technicon Immuno 1 system.  
AUTHOR: Letellier M; Levesque A; Daigle F; Grant A  
CORPORATE SOURCE: Centre for Research and Evaluation in Immunodiagnostics,  
Department of Clinical Biochemistry, Centre Universitaire  
de Sante de L'Estrie, Sherbrooke, Canada.  
SOURCE: CLINICAL CHEMISTRY, (1996 Oct) 42 (10) 1695-701.  
Journal code: 9421549. ISSN: 0009-9147.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: MEDLINE; Priority Journals  
OTHER SOURCE: MEDLINE 97007897  
ENTRY MONTH: 199612  
ENTRY DATE: Entered STN: 19970108  
Last Updated on STN: 19970108

L9 ANSWER 3 OF 3 CANCERLIT on STN  
ACCESSION NUMBER: 93236251 CANCERLIT  
DOCUMENT NUMBER: 93236251 PubMed ID: 7682795  
TITLE: Coagulopathy in the prostate cancer patient: prevalence and  
clinical relevance.  
AUTHOR: Adamson A S; Francis J L; Witherow R O; Snell M E  
CORPORATE SOURCE: Department of Urology, St Mary's Hospital, London.  
SOURCE: ANNALS OF THE ROYAL COLLEGE OF SURGEONS OF ENGLAND, (1993  
Mar) 75 (2) 100-4.  
Journal code: 7506860. ISSN: 0035-8843.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: MEDLINE; Priority Journals  
OTHER SOURCE: MEDLINE 93236251  
ENTRY MONTH: 199305  
ENTRY DATE: Entered STN: 19941107  
Last Updated on STN: 19960517

=> file dissabs  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.98	3.57

FULL ESTIMATED COST

FILE 'DISSABS' ENTERED AT 16:01:58 ON 27 OCT 2005  
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FILE COVERS 1861 TO 26 OCT 2005 (20051026/ED)

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=> s agglutination  
416 AGGLUTINATION  
4 AGGLUTINATIONS  
L10 418 AGGLUTINATION

(AGGLUTINATION OR AGGLUTINATIONS)

=> s (prostate specific antigen) or psa  
1425 PROSTATE  
47 PROSTATES  
1430 PROSTATE  
(PROSTATE OR PROSTATES)  
162777 SPECIFIC  
700 SPECIFICS  
163280 SPECIFIC  
(SPECIFIC OR SPECIFICS)  
9216 ANTIGEN  
5036 ANTIGENS  
11627 ANTIGEN  
(ANTIGEN OR ANTIGENS)  
125 PROSTATE SPECIFIC ANTIGEN  
(PROSTATE(W) SPECIFIC(W) ANTIGEN)  
439 PSA  
60 PSAS  
470 PSA  
(PSA OR PSAS)  
L11 489 (PROSTATE SPECIFIC ANTIGEN) OR PSA

=> s l10 and l11  
L12 1 L10 AND L11

=> d ibib

L12 ANSWER 1 OF 1 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
ACCESSION NUMBER: 85:26974 DISSABS Order Number: AAR8607183  
TITLE: NON-IMMUNOGLOBULIN AGGLUTININS IN HUMAN PAROTID SALIVA: ISOLATION, PARTIAL CHARACTERIZATION AND FUNCTIONAL STUDIES  
AUTHOR: O-LEE, TSIA-WEI [PH.D.]  
CORPORATE SOURCE: MEDICAL UNIVERSITY OF SOUTH CAROLINA (0122)  
SOURCE: Dissertation Abstracts International, (1985) Vol. 47, No. 1B, p. 127. Order No.: AAR8607183. 137 pages.  
DOCUMENT TYPE: Dissertation  
FILE SEGMENT: DAI  
LANGUAGE: English  
ENTRY DATE: Entered STN: 19921118  
Last Updated on STN: 19921118

=> d kwic

L12 ANSWER 1 OF 1 DISSABS COPYRIGHT (C) 2005 ProQuest Information and Learning Company; All Rights Reserved on STN  
AB . . . indicating that SBA are glycoproteins with oligosaccharide side chains containing (alpha)-L-fucose and (beta)-D-galactose residues. The lack of affinity for lectin PSA suggests the absence of N-glycosidically linked side chains of the complex type in SBA. The studies showed that SBA interacted. . . both IgG and complement system. IgG under aggregating condition (heat-aggregated and immune-complexed IgG), but not native IgG, inhibited salivary bacterial agglutination. Purified SBA were appeared to bind to IgG directly as determined using a Immun-Blot assay, and the binding was calcium. . .

=> d his

(FILE 'HOME' ENTERED AT 15:59:11 ON 27 OCT 2005)

FILE 'MEDLINE' ENTERED AT 15:59:29 ON 27 OCT 2005

L1 22377 S AGGLUTINATION

L2 495145 S ASSAY OR IMMUNOASSAY  
L3 4088 S L1 AND L2  
L4 15767 S (PROSTATE SPECIFIC ANTIGEN) OR PSA  
L5 7 S L4 AND L3  
L6 7 S L5 NOT PY>2001

FILE 'CANCERLIT' ENTERED AT 16:01:15 ON 27 OCT 2005

L7 1380 S AGGLUTINATION  
L8 9819 S (PROSTATE SPECIFIC ANTIGEN) OR PSA  
L9 3 S L8 AND L7

FILE 'DISSABS' ENTERED AT 16:01:58 ON 27 OCT 2005

L10 418 S AGGLUTINATION  
L11 489 S (PROSTATE SPECIFIC ANTIGEN) OR PSA  
L12 1 S L10 AND L11

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JUL 20 Powerful new interactive analysis and visualization software,  
STN AnaVist, now available  
NEWS 4 AUG 11 STN AnaVist workshops to be held in North America  
NEWS 5 AUG 30 CA/CAPLUS - Increased access to 19th century research documents  
NEWS 6 AUG 30 CASREACT - Enhanced with displayable reaction conditions  
NEWS 7 SEP 09 ACD predicted properties enhanced in REGISTRY/ZREGISTRY  
NEWS 8 OCT 03 MATHDI removed from STN  
NEWS 9 OCT 04 CA/CAPLUS-Canadian Intellectual Property Office (CIPO) added  
to core patent offices  
NEWS 10 OCT 06 STN AnaVist workshops to be held in North America  
NEWS 11 OCT 13 New CAS Information Use Policies Effective October 17, 2005  
NEWS 12 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download  
of CAPLUS documents for use in third-party analysis and  
visualization tools  
NEWS 13 OCT 27 Free KWIC format extended in full-text databases  
NEWS 14 OCT 27 DIOGENES content streamlined  
NEWS 15 OCT 27 EPFULL enhanced with additional content  
  
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),

AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

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NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 12:19:29 ON 28 OCT 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:19:37 ON 28 OCT 2005

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STRUCTURE FILE UPDATES: 26 OCT 2005 HIGHEST RN 866186-08-5

DICTIONARY FILE UPDATES: 26 OCT 2005 HIGHEST RN 866186-08-5

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\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "MPC"/CN 25

E1 1 MPBOB/CN



E2 1 MPBQ METHYLTRANSFERASE/MSBQ METHYLTRANSFERASE (SYNECHOCYSTIS  
STRAIN PCC-6803 CLONE PSL0418-1 OPEN READING FRAME SLL0418)/CN  
E3 3 --> MPC/CN  
E4 1 MPC (DENTAL CEMENT)/CN  
E5 1 MPC (EMULSIFIER)/CN  
E6 1 MPC 026/CN  
E7 1 MPC 10/CN  
E8 1 MPC 1000/CN  
E9 1 MPC 1001/CN  
E10 1 MPC 1001B/CN  
E11 1 MPC 1001C/CN  
E12 1 MPC 1001D/CN  
E13 1 MPC 1001E/CN  
E14 1 MPC 1001F/CN  
E15 1 MPC 1001G/CN  
E16 1 MPC 100KLI1141/CN  
E17 1 MPC 12/CN  
E18 1 MPC 1304/CN  
E19 1 MPC 1304 KETO-H2/CN  
E20 1 MPC 1555/CN  
E21 1 MPC 2000/CN  
E22 1 MPC 2101/CN  
E23 1 MPC 80/CN  
E24 1 MPC BLACK/CN  
E25 1 MPC-R/CN

=> S E3

L1 3 MPC/CN

=> DIS L1 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN

RN 189258-01-3 REGISTRY

CN MPC (emulsifier) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN MPC

ENTE An emulsifier

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Conference; Journal

RL.NP Roles from non-patents: USES (Uses)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> DIS L1 2 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN

RN 70225-88-6 REGISTRY

CN MPC (dental cement) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN MPC

MF Unspecified

CI MAN

LC STN Files: CA, CAPLUS, MEDLINE, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> DIS L1 3 SQIDE  
THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 2748-88-1 REGISTRY  
CN Pyridinium, 4-methyl-1-tetradecyl-, chloride (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1-Tetradecyl-4-picolinium chloride (7CI)  
CN 4-Picolinium, 1-tetradecyl-, chloride (8CI)  
OTHER NAMES:  
CN Miripirium chloride  
CN MPC  
CN Myristyl- $\gamma$ -picolinium chloride  
CN Quatresin  
CN Wet-Tone B  
MF C20 H36 N . Cl  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST,  
CSCHEM, DDFU, DIOGENES, DRUGU, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,  
NIOSTIC, RTECS\*, TOXCENTER, USAN, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)  
DT.CA CAplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); USES (Uses)  
RL.NP Roles from non-patents: BIOL (Biological study); NORL (No role in  
record)  
CRN (7631-49-4)

/ Structure 20 in file .gra /

16 REFERENCES IN FILE CA (1907 TO DATE)  
16 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> E "MPC"/CN 25

E1 1 MPBOB/CN  
E2 1 MPBQ METHYLTRANSFERASE/MSBQ METHYLTRANSFERASE (SYNECHOCYSTIS  
STRAIN PCC-6803 CLONE PSL0418-1 OPEN READING FRAME SLL0418)/CN  
E3 3 --> MPC/CN  
E4 1 MPC (DENTAL CEMENT)/CN  
E5 1 MPC (EMULSIFIER)/CN  
E6 1 MPC 026/CN  
E7 1 MPC 10/CN  
E8 1 MPC 1000/CN  
E9 1 MPC 1001/CN  
E10 1 MPC 1001B/CN  
E11 1 MPC 1001C/CN  
E12 1 MPC 1001D/CN  
E13 1 MPC 1001E/CN  
E14 1 MPC 1001F/CN  
E15 1 MPC 1001G/CN  
E16 1 MPC 100KLI1141/CN  
E17 1 MPC 12/CN  
E18 1 MPC 1304/CN

E19	1	MPC 1304 KETO-H2/CN
E20	1	MPC 1555/CN
E21	1	MPC 2000/CN
E22	1	MPC 2101/CN
E23	1	MPC 80/CN
E24	1	MPC BLACK/CN
E25	1	MPC-R/CN

=> E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E1	1	METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN
E2	1	METHACRYLOYLOXYETHYL PHOSPHITE/CN
E3	0	--> METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN
E4	1	METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL METHACRYLATE COPOLYMER/CN
E5	1	METHACRYLOYLOXYETHYL SUCCINATE/CN
E6	1	METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN
E7	1	METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM P-TOLUENESULFONATE-STYRENE COPOLYMER/CN
E8	1	METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE COPOLYMER/CN
E9	1	METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL METHACRYLATE COPOLYMER/CN
E10	1	METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE COPOLYMER/CN
E11	1	METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN
E12	1	METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN
E13	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E14	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE COPOLYMER/CN
E15	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLOLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN
E16	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL METHACRYLATE COPOLYMER/CN
E17	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE COPOLYMER/CN
E18	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN
E19	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT COPOLYMER/CN
E20	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-N,N-DIMETHYLACRYLAMIDE-PENTAERYTHRITOL TRIALLYL ETHER COPOLYMER/CN
E21	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-N-VINYLFORMAMIDE COPOLYMER/CN
E22	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-TETRAETHYLENE GLYCOL DIACRYLATE COPOLYMER/CN
E23	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-VINYL ACETATE COPOLYMER/CN
E24	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM DIMETHYLPHOSPHATE-STYRENE COPOLYMER/CN
E25	1	METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM METHYL SULFATE-N-METHOXYMETHYLACRYLAMIDE-UV 125 URETHANE COPOLYMER/CN

=> S E1

L2 1 "METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER"/CN

=> DIS L2 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 175522-48-2 REGISTRY  
CN 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate, polymer with  
methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:

CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-hydroxyethyl  
2-methyl-2-propenoate phosphate (9CI)  
OTHER NAMES:  
CN 2-Hydroxyethyl methacrylate phosphate-methyl methacrylate copolymer  
CN Methacryloyloxyethyl phosphate-methyl methacrylate copolymer  
MF (C6 H10 O3 . C5 H8 O2 . x H3 O4 P)x  
CI PMS  
PCT Polyacrylic, Polyother  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA CAplus document type: Journal; Patent  
RL.P Roles from patents: PREP (Preparation); PRP (Properties)  
RL.NP Roles from non-patents: PREP (Preparation); PRP (Properties); USES  
(Uses)  
RLD.NP Roles for non-specific derivatives from non-patents: PREP  
(Preparation); PRP (Properties); USES (Uses)

CM 1

CRN 80-62-6  
CMF C5 H8 O2

/ Structure 21 in file .gra /

CM 2

CRN 52628-03-2  
CMF C6 H10 O3 . x H3 O4 P

CM 3

CRN 7664-38-2  
CMF H3 O4 P

/ Structure 22 in file .gra /

CM 4

CRN 868-77-9  
CMF C6 H10 O3

/ Structure 23 in file .gra /

6 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E1 1 METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN  
E2 1 METHACRYLOYLOXYETHYL PHOSPHITE/CN  
E3 0 --> METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN  
E4 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
METHACRYLATE COPOLYMER/CN  
E5 1 METHACRYLOYLOXYETHYL SUCCINATE/CN  
E6 1 METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN  
E7 1 METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM  
P-TOLUENESULFONATE-STYRENE COPOLYMER/CN  
E8 1 METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE COPOLYMER/CN

E9 1 METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE COPOLYMER/CN  
E10 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE  
COPOLYMER/CN  
E11 1 METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN  
E12 1 METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM  
CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN  
E13 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
E14 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE  
COPOLYMER/CN  
E15 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN  
E16 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL  
METHACRYLATE COPOLYMER/CN  
E17 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE COPOLYMER/CN  
E18 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN  
E19 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT  
COPOLYMER/CN  
E20 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
CHLORIDE-N,N-DIMETHYLACRYLAMIDE-PENTAERYTHRITOL TRIALLYL ETHER COPOLYMER/CN  
E21 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-N-VINYLFORMAMIDE  
COPOLYMER/CN  
E22 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-TETRAETHYLENE  
GLYCOL DIACRYLATE COPOLYMER/CN  
E23 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-VINYL ACETATE  
COPOLYMER/CN  
E24 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM DIMETHYLPHOSPHATE-STYRENE  
COPOLYMER/CN  
E25 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM METHYL  
SULFATE-N-METHOXYMETHYLACRYLAMIDE-UV 125 URETHANE COPOLYMER/CN

=> S 134483-35-5/RN

L3 1 134483-35-5/RN

=> DIS L3 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 134483-35-5 REGISTRY

CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide, polymer with ethenylbenzene (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzene, ethenyl-, polymer with 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-3,5,8-trioxa-4-phosphaundec-10-en-1-aminium inner salt 4-oxide (9CI)

OTHER NAMES:

CN 2-Methacryloyloxyethyl phosphorylcholine-styrene copolymer

DR 165458-21-9, 300849-16-5

MF (C11 H22 N O6 P . C8 H8)x

CI PMS, COM

PCT Polyacrylic, Polystyrene

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Conference; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 1

CRN 67881-98-5

CMF C11 H22 N O6 P

/ Structure 24 in file .gra /

CM 2

CRN 100-42-5

CMF C8 H8

/ Structure 25 in file .gra /

19 REFERENCES IN FILE CA (1907 TO DATE)

19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	22.27	22.48

FILE 'REGISTRY' ENTERED AT 12:24:44 ON 28 OCT 2005  
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STRUCTURE FILE UPDATES: 26 OCT 2005 HIGHEST RN 866186-08-5  
DICTIONARY FILE UPDATES: 26 OCT 2005 HIGHEST RN 866186-08-5

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
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\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
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experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

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=> S 67881-98-5/RN

L4 1 67881-98-5/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=> D L4 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y  
THE ESTIMATED COST FOR THIS REQUEST IS 6.15 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 67881-98-5 REGISTRY  
CN 3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2-(Methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate  
CN 2-Methacryloyloxyethyl phosphorylcholine  
FS 3D CONCORD  
DR 847805-51-0, 171355-96-7, 158760-94-2, 159504-44-6, 185836-94-6, 201655-64-3, 205256-28-6, 210353-66-5, 300849-15-4, 442528-08-7  
MF C11 H22 N O6 P  
CI COM  
LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, CHEMLIST, IPA, MEDLINE, TOXCENTER, USPAT2, USPATFULL  
DT.CA Caplus document type: Conference; Journal; Patent  
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

/ Structure 26 in file .gra /

169 REFERENCES IN FILE CA (1907 TO DATE)  
63 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
169 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
2.27	24.75

FILE 'CAPLUS' ENTERED AT 12:25:05 ON 28 OCT 2005  
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FILE COVERS 1907 - 28 Oct 2005 VOL 143 ISS 19  
FILE LAST UPDATED: 27 Oct 2005 (20051027/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 14

L5 170 L4

=> s benzyl methacrylate/cn

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L7 446 L6

=> s 17 (L) 15

L8 0 L7 (L) L5

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.45

30.68

FILE 'CAPLUS' ENTERED AT 12:25:51 ON 28 OCT 2005

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FILE COVERS 1907 - 28 Oct 2005 VOL 143 ISS 19  
FILE LAST UPDATED: 27 Oct 2005 (20051027/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:



<http://www.cas.org/infopolicy.html>

=> s 17 and 15

L9 0 L7 AND L5

=> s 17 and 16

446 L6  
L10 446 L7 AND L6

=> s 110 and 15

L11 0 L10 AND L5

=> s styrene

271392 STYRENE  
4419 STYRENES  
L12 272471 STYRENE  
(STYRENE OR STYRENES)

=> s 112 (1) 15

L13 1 L12 (L) L5

=> s benzyl methacrylate

170394 BENZYL  
52 BENZYL  
170415 BENZYL  
(BENZYL OR BENZYL)  
202554 METHACRYLATE  
11529 METHACRYLATES  
204808 METHACRYLATE  
(METHACRYLATE OR METHACRYLATES)  
L14 2264 BENZYL METHACRYLATE  
(BENZYL(W)METHACRYLATE)

=> s 114 and 15

L15 0 L14 AND L5

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.57

37.25

STN INTERNATIONAL LOGOFF AT 12:27:14 ON 28 OCT 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 4 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 5 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 6 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 7 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
NEWS 8 JAN 30 Saved answer limit increased  
NEWS 9 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results  
NEWS 10 FEB 22 The IPC thesaurus added to additional patent databases on STN  
NEWS 11 FEB 22 Updates in EPFULL; IPC 8 enhancements added  
NEWS 12 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 13 FEB 28 MEDLINE/LMEDLINE reload improves functionality  
NEWS 14 FEB 28 TOXCENTER reloaded with enhancements  
NEWS 15 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral  
property data  
NEWS 16 MAR 01 INSPEC reloaded and enhanced  
NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes  
NEWS 18 MAR 08 X.25 communication option no longer available after June 2006  
NEWS 19 MAR 22 EMBASE is now updated on a daily basis  
NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL  
NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL  
NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced  
NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT  
NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected  
  
NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>  
  
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FILE 'HOME' ENTERED AT 08:39:15 ON 13 APR 2006

=> file pctfull		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'PCTFULL' ENTERED AT 08:39:23 ON 13 APR 2006  
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FILE LAST UPDATED: 11 APR 2006 <20060411/UP>  
MOST RECENT UPDATE WEEK: 200614 <200614/EW>  
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.

SEE

<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

>>> FOR CHANGES IN PCTFULL PLEASE SEE HELP CHANGE  
(last updated April 10, 2006) <<<

=> s phosphorylcholine?

L1 564 PHOSPHORYLCHOLINE?

=> s methacrylat?

L2 36212 METHACRYLAT?

=> s benzyl or aralkyl

60273 BENZYL

78 BENZYL

60280 BENZYL

(BENZYL OR BENZYL)

18244 ARALKYL

447 ARALKYL

18308 ARALKYL

(ARALKYL OR ARALKYL)

L3 66237 BENZYL OR ARALKYL

=> s 13 (S) 12

L4 2031 L3 (S) L2

=> s 14 and 11

L5 12 L4 AND L1

=> s assay and 15

102837 ASSAY

79821 ASSAYS

111042 ASSAY

(ASSAY OR ASSAYS)

L6 5 ASSAY AND L5

=> d ibib 1-6

L6 ANSWER 1 OF 5

ACCESSION NUMBER:

TITLE (ENGLISH):

TITLE (FRENCH):

INVENTOR(S):

PCTFULL COPYRIGHT 2006 Univentio on STN

2005107766 PCTFULL ED 20051122 EW 200546

PHOSPHOLIPASE INHIBITORS LOCALIZED IN THE

GASTROINTESTINAL LUMEN

INHIBITEURS DE PHOSPHOLIPASE LOCALISES DANS LA LUMIERE

GASTRO-INTESTINALE

CHARMOT, Dominique, 1238 Bracebridge Court, Campbell,  
CA 95008, US [FR, US];

BUYSSE, Jerry, M., 270 Alvarado Avenue, Los Altos, CA  
94022, US [US, US];

CHANG, Han, Ting, 220 Garnet Drive, Livermore, CA  
94550, US [2014, US];

COPE, Michael, James, 1111 Russell Street, Berkeley, CA  
94702, US [IE, US];

HUI, David, 3460 Sherbrooke Drive, Cincinnati, OH  
45241, US [US, US]

PATENT ASSIGNEE(S): ILYPSA, INC., 3410 Central Expressway, Santa Clara, CA 95051, US [US, US], for all designates States except US;  
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CHANG, Han, Ting, 220 Garnet Drive, Livermore, CA 94550, US [US, US], for US only;  
COPE, Michael, James, 1111 Russell Street, Berkeley, CA 94702, US [IE, US], for US only;  
HUI, David, 3460 Sherbrooke Drive, Cincinnati, OH 45241, US [US, US], for US only  
AGENT: STONE, Paul, A.\$, Ilypsa, Inc., c/o Wilson Sonsini Goodrich & Rosati, 650 Page Mill Road, Santa Clara, CA 94306-1050\$, US  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005107766	A1	20051117

DESIGNATED STATES

W:

RW (ARIPO):

RW (EAPO):

RW (EPO):

RW (OAPI):

APPLICATION INFO.: WO 2005-US15418 A 20050503

PRIORITY INFO.: US 2004-10/838,879 20040503

L6 ANSWER 2 OF 5 PCTFULL COPYRIGHT 2006 Univention on STN

ACCESSION NUMBER: 2004077057 PCTFULL ED 20040916 EW 200437

TITLE (ENGLISH): STANDARD FOR IMMUNOHISTOCHEMISTRY, IMMUNOCYTOCHEMISTRY AND MOLECULAR CYTOGENETICS

TITLE (FRENCH): ETALON POUR IMMUNOHISTOCHEMIE, IMMUNOCYTOCHIMIE ET CYTOGENETIQUE MOLECULAIRE

INVENTOR(S): WINTHER, Lars, c/o DakoCytomation Denmark A/S, Produktionsvej 42, DK-2600 Glostrup, DK [DK, DK]

PATENT ASSIGNEE(S): DAKOCYTOMATION DENMARK A/S, Produktionsvej 42, DK-2600 Glostrup, DK [DK, DK], for all designates States except US;  
WINTHER, Lars, c/o DakoCytomation Denmark A/S, Produktionsvej 42, DK-2600 Glostrup, DK [DK, DK], for US only

AGENT: KHOO, Chong-Yee\$, D Young & Co, 21 New Fetter Lane, London EC4A 1DA\$, GB

LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2004077057	A1	20040910

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV

	MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
RW (ARIPO):	BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2004-IB1173 A 20040227
PRIORITY INFO.:	GB 2003-0304515.0 20030227 US 2003-60/451,589 20030303

L6	ANSWER 3 OF 5	PCTFULL	COPYRIGHT 2006 Univention on STN
ACCESSION NUMBER:		2003040218	PCTFULL ED 20030520 EW 200320
TITLE (ENGLISH):		POROUS POLYMER FILMS	
TITLE (FRENCH):		FEUILS POLYMERES POREUX	
INVENTOR(S):		RASOUL, Firas, 209 Horizon Drive, Westlake, QLD 4074, AU [AU, AU]; MAEJI, Joe, 9 Cedarbird Street, Wishart, QLD 4122, AU [AU, AU]; WHITTAKER, Michael, 15/23 Vicar Street, Coogee, NSW 2034, AU [AU, AU]; KAMBOURIS, Peter, 12 Maroo Street, Eight Mile Plains, QLD 4113, AU [AU, AU]; DAVIS, Thomas, 38 Earl Street, Randwick, NSW 2031, AU [AU, AU]	
PATENT ASSIGNEE(S):		POLYMERAT PTY LTD, Level 5, Waterfront Place, 1 Eagle Street, Brisbane, QLD 4000, AU [AU, AU], for all designates States except US; RASOUL, Firas, 209 Horizon Drive, Westlake, QLD 4074, AU [AU, AU], for US only; MAEJI, Joe, 9 Cedarbird Street, Wishart, QLD 4122, AU [AU, AU], for US only; WHITTAKER, Michael, 15/23 Vicar Street, Coogee, NSW 2034, AU [AU, AU], for US only; KAMBOURIS, Peter, 12 Maroo Street, Eight Mile Plains, QLD 4113, AU [AU, AU], for US only; DAVIS, Thomas, 38 Earl Street, Randwick, NSW 2031, AU [AU, AU], for US only	
AGENT:		CAINE, Michael, J.\$, Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000\$, AU	
LANGUAGE OF FILING:		English	
LANGUAGE OF PUBL.:		English	
DOCUMENT TYPE:		Patent	
PATENT INFORMATION:			

	NUMBER	KIND	DATE
	-----	-----	-----
DESIGNATED STATES	WO 2003040218	A1	20030515
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2002-AU1521	A	20021108
PRIORITY INFO.:	US 2001-60/338,423		20011109

L6	ANSWER 4 OF 5	PCTFULL	COPYRIGHT 2006 Univention on STN
ACCESSION NUMBER:		2002040558	PCTFULL ED 20020610 EW 200221

TITLE (ENGLISH): POLYMERS AND POLYMERISATION PROCESSES  
 TITLE (FRENCH): POLYMERES ET PROCESSUS DE POLYMERISATION  
 INVENTOR(S): HUGHES, Laurence, Gerald, 2 The Street, Frensham,  
 Farnham, Surrey GU10 3DZ, GB;  
 LEWIS, Andrew, Lennard, Biocompatibles Limited, Chapman  
 House, Farnham Business Park, Weydon Lane, Farnham,  
 Surrey GU9 8QL, GB  
 PATENT ASSIGNEE(S): BIOCOMPATIBLES LIMITED, Chapman House, Farnham Business  
 Park, Weydon Lane, Farnham, Surrey GU9 8QL, GB [GB, GB]  
 AGENT: GILL JENNINGS & EVERY\$, Broadgate House, 7 Eldon  
 Street, London EC2M 7LH\$, GB  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2002040558	A1	20020523

DESIGNATED STATES  
 W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
 CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID  
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD  
 MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
 SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM  
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
 TR  
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 APPLICATION INFO.: WO 2001-GB5030 A 20011114  
 PRIORITY INFO.: EP 2000-00310178.9 20001116

L6 ANSWER 5 OF 5  
 ACCESSION NUMBER:

TITLE (ENGLISH): PCTFULL COPYRIGHT 2006 Univentio on STN  
 2001057047 PCTFULL ED 20020827  
 ZWITTERIONIC GROUPS CONTAINING COMPOUNDS FROM  
 MICHAEL-TYPE REACTIONS USEFUL AS MONOMERS AND MACROMERS  
 TITLE (FRENCH): GROUPEES ZWITTERIONIQUES CONTENANT DES COMPOSES ISSUS DE  
 REACTIONS DE TYPE MICHAEL UTILES COMME MONOMERES ET  
 COMME MACROMERES  
 INVENTOR(S): LEWIS, Andrew, Lennard;  
 REDMAN, Richard, Paul  
 PATENT ASSIGNEE(S): BIOCOMPATIBLES LIMITED;  
 LEWIS, Andrew, Lennard;  
 REDMAN, Richard, Paul  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001057047	A1	20010809

DESIGNATED STATES  
 W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU  
 CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN  
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK  
 MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
 TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD  
 SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
 DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
 CI CM GA GN GW ML MR NE SN TD TG  
 APPLICATION INFO.: WO 2000-GB3557 A 20000915  
 PRIORITY INFO.: EP 2000-00300943.8 20000207

=> d kwic 4

L6 ANSWER 4 OF 5 PCTFULL COPYRIGHT 2006 Univentio on STN

DETD . . . surface to form a coating having micro-domains of relatively 2.5 hydrophilic and relatively hydrophobic character. The blends may express higher levels of phosphorylcholine groups at the surface than in the bulk of the coating. This should allow the properties of a -substrate coated with. . .

. . . device used in contact with aqueous liquids susceptible to fouling by proteins, carbohydrates, microbes or cells of higher organisms, cell culture substrates, assay devices, biosensors etc. Most preferably the substrate is the surface of a medical device, for instance an ophthalmic device such as a. . .

#### Table 1

% (g)		
Reactor Charge		
Demin water	59.79	179.37
HEMA-PC	0.23	0.69
Monomer Seed		
Methyl Methacrylate	0.44	1.32
Butyl Acrylate	0.44	1.32
Initiator Seed		
Initiator	0.02	0.06
Demin water	2.66	7.98
Monomer Feed (Controlled pumping)		
Methyl methacrylate	7.3	21.9
Butyl acrylate	7.3	21.9
Trimethoxysilylpropyl methacrylate	0.77	2.31
Hydroxypropyl methacrylate	2.21	6.63
MethoxyPEG methacrylate (mwt550)	1.31	3.93
Methacrylic acid	0.11	0.33
Initiator Feed (Controlled pumping)		
2 0 ..Initiator	0.07	0.21
Demin water	10.33	30.99
Dimethylammoniumpropyl sulphonate, ethyl methacrylate	3.5	10.5
Mop up Feed		
Demin water	2	6
Initiator	0.02	0.06
Alcohol addition		
Demin water	1	3
Benzyl alcohol	0.5	1.5
3 0 ]Total	100	300

The reactor charge was first loaded into the reaction vessel. The internal reaction temperature was. . .

Monomer was added over approximately an hour and immediately followed by 2 5 a shell feed (12.8g methyl methacrylate, 12.8g butyl acrylate, 2.3g trimethoxysilyl propyl methacrylate, 6.6g hydroxypropylmethacrylate and 3.0g of methoxy-polyethylene glycol methacrylate (550Mw) and 0.3g methacrylic acid). This was held at 85°C for a further hour before addition of an initiator spike (0.06g APS. . . 0 being cooled. The solution was filtered through glass wool to remove a small amount of coagulum from the stirrer. 1.5g benzyl alcohol was added in 3.0g water as preservative.

=> d kwic 5

L6 ANSWER 5 OF 5 PCTFULL COPYRIGHT 2006 Univentio on STN

DETD . . . Al 5 pollo  
Terminal amino-functional PEG (AEW 315) JED 600 Huntsman  
]Jleffamine ED 600)  
E-thylene diamine E. D ldrich  
kilyl isocyanate N1 ldrich  
Dimethyl meta-isopropenyl benzyl isocyanate TR ytec  
sophorone diisocyanate PDI ldrich  
examethylene diisocyanate -iMDl ldrich  
eta-tetramethylxylylene diisocyanate rMXDl ytec  
imethylacrylamide DMA ldrich  
.-Butylaminoethyl methacrylate 3AM ldrich  
2-Acryloyloxyethyl phosphorylcholine WC yntesised  
sopropanol PA omil  
q,N'-Dimethylacrylamide qNDMA ldrich  
3-[Tris(trimethylsilyloxy)silyl]propyl methacrylate RIS  
Aldrich  
=.thylene glycol dimethacrylate GDM Aldrich  
Terminal aminofunctional poly(propylene glycol) 400  
PEG refers to polyethyleneglycol and AEW refers to amine equivalent  
weight. The. . .

(2-acryloyloxyethyl)-2'-(trimethyl-ammoniumethyl) phosphate, inner salt  
(Acryloyl-phosphorylcholine, APC) was made by a modification  
of the route  
described previously by Ishihara et al (Polym. J., 22(3), 355, 1990).

. . .  
at a speed of 3mmsec  
After air-drying for 16 hours the coated PET strips were subjected to a  
double  
antibody fibrinogen assay for the detection of protein  
adsorption to the strip.

. . .  
of fibrinogen that adsorbs  
to the surface of the coating, compared to the non-PC containing control  
polyurethane urea. The information from this assay therefore  
provides further  
evidence to add to that already in existence, suggesting that the PC  
group does  
indeed improve the 'biocompatibility' of the. . .

Hydroquinone (ca. 0. 001 g) was added (to inhibit the premature  
polymerisation  
1 0 of the hydroxyethyl methacrylate) followed by 40g (0.04  
mole) of  
aminopropylmethylsiloxane-dimethylsiloxanecopolymer. The temperature was  
raised to 600C and after about 20 minutes the solution cleared. The  
reaction  
was maintained at 60C for 1 hour. The reaction was then cooled to 300C  
and  
8.0g (0.04 mole) of dimethyl meta-isopropenyl benzyl  
isocyanate (m-TMI, Cytec  
is Industries) added with good stirring. This reacts selectively with  
the secondary  
amine and not the alcohol group of the hydroxyethyl methacrylate  
. A small  
exotherm was observed and the temperature was then raised to 550C and  
held  
for 1 hour. The product was obtained as a 67% solution in hydroxyethyl  
methacrylate.



=> d his

(FILE 'HOME' ENTERED AT 08:39:15 ON 13 APR 2006)

FILE 'PCTFULL' ENTERED AT 08:39:23 ON 13 APR 2006

L1 564 S PHOSPHORYLCHOLINE?  
L2 36212 S METHACRYLAT?  
L3 66237 S BENZYL OR ARALKYL  
L4 2031 S L3 (S) L2  
L5 12 S L4 AND L1  
L6 5 S ASSAY AND L5

=> s 15 not 16

L7 7 L5 NOT L6

=> d ibib 1-7

L7 ANSWER 1 OF 7 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 2005113894 PCTFULL ED 20051206 EW 200548  
TITLE (ENGLISH): POLYMERS FOR PAPER AND PAPERBOARD COATINGS  
TITLE (FRENCH): POLYMERES POUR ENDUITS POUR PAPIER ET CARTON  
INVENTOR(S): BRANSTON, Randy, 5122 Hartridge Way, Greensboro, NC  
27407, US [US, US];  
PEER, William, Joseph, 7 Partridge Lane, Patterson, NY  
12563, US [US, US];  
GHOSH, Tamal, Rebbergstrasse 83b, CH-5408 Ennetbaden,  
CH [US, CH];  
DUNGWORTH, Howard, Roger, 15 Hions Close, Rastrick,  
Brighouse, Huddersfield, West Yorkshire HD6 3EH, GB  
[GB, GB]  
PATENT ASSIGNEE(S): CIBA SPECIALTY CHEMICALS WATER TREATMENTS LIMITED,  
Cleckheaton Road, Low Moor, Bradford, West Yorkshire  
BD12 0JZ, GB [GB, GB], for all designates States except  
US;  
BRANSTON, Randy, 5122 Hartridge Way, Greensboro, NC  
27407, US [US, US], for US only;  
PEER, William, Joseph, 7 Partridge Lane, Patterson, NY  
12563, US [US, US], for US only;  
GHOSH, Tamal, Rebbergstrasse 83b, CH-5408 Ennetbaden,  
CH [US, CH], for US only;  
DUNGWORTH, Howard, Roger, 15 Hions Close, Rastrick,  
Brighouse, Huddersfield, West Yorkshire HD6 3EH, GB  
[GB, GB], for US only  
AGENT: BERNHARDT, Wolfgang\$, c/o Ciba Specialty Chemicals  
Holding Inc., Patent Department, Klybeckstrasse 141,  
CH-4057 Basel\$, CH  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2005113894	A1	20051201

DESIGNATED STATES

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AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL  
PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA  
UG US UZ VC VN YU ZA ZM ZW

RW (ARIPO):

BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EAPO):

AM AZ BY KG KZ MD RU TJ TM

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RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2005-EP52132 A 20050511
PRIORITY INFO.:	US 2004-60/574,007 20040520
	US 2005-60/670,430 20050412

  

L7	ANSWER 2 OF 7	PCTFULL	COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2005072185	PCTFULL	ED 20050816 EW 200532
TITLE (ENGLISH):	METHOD OF USING ALDEHYDE-FUNCTIONALIZED POLYMERS TO ENHANCE PAPER MACHINE DEWATERING		
TITLE (FRENCH):	PROCEDE D'UTILISATION DE POLYMERES FONCTIONNALISES PAR DES ALDEHYDES AFIN D'AMELIORER L'EGOUTTAGE D'UNE MACHINE A PAPIER		
INVENTOR(S):	ST. JOHN, Michael, R., 5414 East View Park #1, Chicago, IL 60615, US [US, US]; ZAGALA, Angel, P., 3908 Bluejay Lane, Naperville, IL 60564, US [US, US]		
PATENT ASSIGNEE(S):	NALCO COMPANY, 1601 West Diehl Road, Naperville, IL 60563-1198, US [US, US], for all designates States except US; ST. JOHN, Michael, R., 5414 East View Park #1, Chicago, IL 60615, US [US, US], for US only; ZAGALA, Angel, P., 3908 Bluejay Lane, Naperville, IL 60564, US [US, US], for US only		
AGENT:	KEEFER, Timothy, J.\$, Seyfarth Shaw LLP, 55 East Monroe, Suite 4200, Chicago, IL 60603\$, US		
LANGUAGE OF FILING:	English		
LANGUAGE OF PUBL.:	English		
DOCUMENT TYPE:	Patent		
PATENT INFORMATION:			

  

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DESIGNATED STATES	WO 2005072185	A2	20050811
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RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2005-US1566	A	20050121
PRIORITY INFO.:	US 2004-10/764,935		20040126

  

L7	ANSWER 3 OF 7	PCTFULL	COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2005005155	PCTFULL	ED 20050125 EW 200503
TITLE (ENGLISH):	INK JET RECORDING MEDIUM		
TITLE (FRENCH):	SUPPORT D'ENREGISTREMENT D'IMPRIMANTE A JET D'ENCRE		
INVENTOR(S):	DUNGWORTH, Howard, Roger, 15 Hions Close, Rastrick, Brighouse, Huddersfield, West Yorkshire HD6 3EH, GB [GB, GB]; NAISBY, Andrew, J., 2108 Crompond Road, Yorktown Heights, NY 10598, US [GB, US]; SUHADOLNIK, Joseph, 337 Hallocks Mill Road, Yorktown Heights, NY 10598, US [US, US]; YALE, David, A., 47 Davis Avenue, White Plains, NY 10605, US [GB, US]		
PATENT ASSIGNEE(S):	CIBA SPECIALTY CHEMICALS HOLDING INC., Klybeckstrasse 141, CH-4057 Basel, CH [CH, CH], for all designates States except US; DUNGWORTH, Howard, Roger, 15 Hions Close, Rastrick,		

	Brighouse, Huddersfield, West Yorkshire HD6 3EH, GB [GB, GB], for US only; NAISBY, Andrew, J., 2108 Crompond Road, Yorktown Heights, NY 10598, US [GB, US], for US only; SUHADOLNIK, Joseph, 337 Hallocks Mill Road, Yorktown Heights, NY 10598, US [US, US], for US only; YALE, David, A., 47 Davis Avenue, White Plains, NY 10605, US [GB, US], for US only
AGENT:	CIBA SPECIALTY CHEMICALS HOLDING INC.\$, Patent Department, Klybeckstrasse 141, CH-4057 Basel\$, CH
LANGUAGE OF FILING:	English
LANGUAGE OF PUBL.:	English
DOCUMENT TYPE:	Patent
PATENT INFORMATION:	

  

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APPLICATION INFO.:	WO 2004-EP51295 A 20040630									
PRIORITY INFO.:	US 2003-60/486,060 20030710									

  

L7 ANSWER 4 OF 7	PCTFULL COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2003051941 PCTFULL ED 20030701 EW 200326
TITLE (ENGLISH):	HIGH MOLECULAR WEIGHT CATIONIC AND ANIONIC POLYMERS COMPRISING ZWITTERIONIC MONOMERS
TITLE (FRENCH):	POLYMERES CATIONIQUES ET ANIONIQUES DE POIDS MOLECULAIRE ELEVE RENFERMANT DES MONOMERES ZWITTERIONIQUES
INVENTOR(S):	COFFEY, Martin, J., 355 Pimlico Court, Portage, MI 49002-7091, US; GOVONI, Steven, T., 4313 River Glen Drive, Joliet, IL 60431, US; BEGALA, Arthur, J., 833 Thornapple Drive, Naperville, IL 60540, US; GRAY, Ross, T., 2006 Arbor Falls Drive, Plainfield, IL 60544, US; MURRAY, Patrick, G., 1737 Columbine Court, Yorkville, IL 60560, US
PATENT ASSIGNEE(S):	ONDEO NALCO COMPANY, One Nalco Center, Naperville, IL 60563-1198, US [US, US]
AGENT:	KEEFER, Timothy, J.\$, Wildman, Harrold, Allen & Dixon, 225 West Wacker Drive, Suite 2800, Chicago, IL 60606\$, US
LANGUAGE OF FILING:	English
LANGUAGE OF PUBL.:	English
DOCUMENT TYPE:	Patent
PATENT INFORMATION:	

  

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WO 2003051941	A1	20030626								
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	SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC
	NL PT SE SK TR
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.:	WO 2002-US37874 A 20021126
PRIORITY INFO.:	US 2001-10/023,370 20011217

  

L7	ANSWER 5 OF 7	PCTFULL	COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2003037223	PCTFULL	ED 20030515 EW 200319
TITLE (ENGLISH):	APPARATUS AND METHODS FOR VARIABLY CONTROLLED SUBSTANCE DELIVERY FROM IMPLANTED PROSTHESES		
TITLE (FRENCH):	APPAREIL ET PROCEDES D'ADMINISTRATION DE SUBSTANCES REGULEE DE MANIERE VARIABLE A PARTIR DE PROSTHESES IMPLANTEES		
INVENTOR(S):	SIRHAN, Motasim, 794 West Knickerbocker Drive, Sunnyvale, CA 94087, US [US, US]; YAN, John, 128 Anne Way, Los Gatos, CA 95032, US [US, US]		
PATENT ASSIGNEE(S):	AVANTEC VASCULAR CORPORATION, 1049 Kiel Street, Sunnyvale, CA 94089, US [US, US], for all designates States except US; SIRHAN, Motasim, 794 West Knickerbocker Drive, Sunnyvale, CA 94087, US [US, US], for US only; YAN, John, 128 Anne Way, Los Gatos, CA 95032, US [US, US], for US only		
AGENT:	BAINS, Nena\$, Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834\$, US		
LANGUAGE OF FILING:	English		
LANGUAGE OF PUBL.:	English		
DOCUMENT TYPE:	Patent		
PATENT INFORMATION:			

  

	NUMBER	KIND	DATE
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DESIGNATED STATES	WO 2003037223	A1	20030508
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	MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI		
	SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC		
	NL PT SE SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2002-US34350	A	20021025
PRIORITY INFO.:	US 2001-10/002,595		20011101
	US 2001-10/017,500		20011214

  

L7	ANSWER 6 OF 7	PCTFULL	COPYRIGHT 2006 Univentio on STN
ACCESSION NUMBER:	2002050174	PCTFULL	ED 20020709 EW 200226
TITLE (ENGLISH):	POROUS POLYMERS		
TITLE (FRENCH):	POLYMERES POREUX		
INVENTOR(S):	STENZEL-ROSENBAUM, Martina, Heide, Flat 9, 111 Duncan Street, Maroubra, New South Wales 2035, AU [DE, AU]; DAVIS, Thomas, 38 Earl Street, Randwick, New South Wales 2031, AU [AU, AU]		
PATENT ASSIGNEE(S):	POLYMERAT PTY LTD, Level 5, Waterfront Place, 1 Eagle Street, Brisbane, Queensland 4000, AU [AU, AU], for all designates States except US; STENZEL-ROSENBAUM, Martina, Heide, Flat 9, 111 Duncan		

Street, Maroubra, New South Wales 2035, AU [DE, AU],  
for US only;  
DAVIS, Thomas, 38 Earl Street, Randwick, New South  
Wales 2031, AU [AU, AU], for US only  
AGENT: CAINE, Michael, J.\$, DAVIES COLLISON CAVE, 1 Little  
Collins Street, Melbourne, Victoria 3000\$, AU  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2002050174	A1	20020627
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2001-AU1639	A	20011219
PRIORITY INFO.:	AU 2000-PR 2161		20001219

L7 ANSWER 7 OF 7 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 2001057048 PCTFULL ED 20020827  
TITLE (ENGLISH): SILICON CONTAINING COMPOUNDS FROM MICHAEL - TYPE  
ADDITION REACTIONS USEFUL AS MONOMERS AND MACROMERS  
TITLE (FRENCH): COMPOSES CONTENANT DU SILICIUM  
INVENTOR(S): LEWIS, Andrew, Lennard;  
COLLIAS, Anthony, Claude, Marie;  
REDMAN, Richard, Paul;  
COURT, Jane, Louise;  
WILLIS, Sean, Leo  
PATENT ASSIGNEE(S): BIOCOMPATIBLES LIMITED;  
LEWIS, Andrew, Lennard;  
COLLIAS, Anthony, Claude, Marie;  
REDMAN, Richard, Paul;  
COURT, Jane, Louise;  
WILLIS, Sean, Leo  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2001057048	A1	20010809
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG		
APPLICATION INFO.:	WO 2001-GB519	A	20010207
PRIORITY INFO.:	EP 2000-00300942.0		20000207

=> d kwic 6

L7 ANSWER 6 OF 7 PCTFULL COPYRIGHT 2006 Univentio on STN

DETD Specific examples of monomers or comonomers include the following:  
methyl

methacrylate, ethyl methacrylate, propyl  
methacrylate (all isomers), butyl methacrylate (all  
isomers), 2-ethylhexyl methacrylate, isobornyl  
methacrylate, methacrylic acid, benzyl  
methacrylate, phenyl methacrylate,  
methacrylonitrile, alpha-methylstyrene, methyl  
acrylate, ethyl acrylate, propyl acrylate (all isomers), butyl acrylate  
(all isomers), 2-

- 13 -

ethylhexyl acrylate, isobornyl acrylate, acrylic acid, benzyl  
acrylate, phenyl acrylate,  
acrylonitrile, styrene, functional methacrylates, acrylates  
and styrenes selected from  
glycidyl methacrylate, 2-hydroxyethyl methacrylate,  
hydroxypropyl methacrylate (all  
isomers), hydroxybutyl methacrylate (all isomers),  
N,N-dimethylaminoethyl methacrylate,  
N,N-diethylaminoethyl methacrylate, triethyleneglycol  
methacrylate, itaconic anhydride,  
itaconic acid, glycidyl acrylate, 2-hydroxyethyl acrylate, hydroxypropyl  
acrylate (all  
isomers), hydroxybutyl acrylate (all isomers), N,N-dimethylaminoethyl  
acrylate, N,N-  
diethylaminoethyl acrylate, triethyleneglycol acrylate,. . .  
isomers), diethylamino styrene (all isomers), alpha-methylvinyl benzoic  
acid (all isomers), diethylamino alpha-methylstyrene (all isomers),  
p-vinylbenzene sulfonic  
acid, p-vinylbenzene sulfonic sodium salt, trimethylsilyl  
methacrylate,  
trimethoxysilylpropyl methacrylate, triethoxysilylpropyl  
methacrylate, tributoxysilylpropyl  
methacrylate, dimethoxymethylsilylpropyl methacrylate  
, diethoxymethylsilylpropyl  
methacrylate, dibutoxymethylsilylpropyl methacrylate  
, diisopropoxymethylsilylpropyl  
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diethoxysilylpropyl methacrylate,  
dibutoxysilylpropyl methacrylate, diisopropoxysilylpropyl  
methacrylate, trimethylsilyl  
acrylate, trimethoxysilylpropyl acrylate, triethoxysilylpropyl acrylate,  
tributoxysilylpropylacrylate, dimethoxymethylsilylpropyl acrylate,  
diethoxymethylsilylpropyl acrylate, dibutoxymethylsilylpropyl acrylate,  
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diethoxysilylpropyl acrylate, dibutoxysilylpropyl acrylate,  
diisopropoxysilylpropyl  
acrylate, vinyl acetate, vinyl. . . vinyl benzoate, vinyl chloride,  
vinyl fluoride, vinyl  
bromide, maleic anhydride, N-phenylmaleimide, N-butylmaleimide,  
N-vinylpyrrolidone,  
2,2-dimethyl azlactone, N-vinylcarbazole, butadiene, isoprene,  
chloroprene, ethylene,  
propylene, 2-methacryloyloxy ethyl phosphorylcholine,  
2-acryloyloxy ethyl  
phosphorylcholine, 3-methacryloylamino propyl dimethyl  
sulfopropyl ammonium  
hydroxide inner salt, 2-methacryloyloxy ethyl dimethyl sulfopropyl  
ammonium  
hydroxide inner salt, trimethylsilylethyl methacrylate,  
ethoxyethyl methacrylate, N  
- 14 -  
N'N'-dicarboxymethyl aminopropyl methacrylamide, tetrahydrofurfuryl  
methacrylate,  
glycerol methacrylate, 2-methacryloylethyl glucoside.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.16

20.37

FILE 'REGISTRY' ENTERED AT 08:44:29 ON 13 APR 2006

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STRUCTURE FILE UPDATES: 11 APR 2006 HIGHEST RN 880129-32-8

DICTIONARY FILE UPDATES: 11 APR 2006 HIGHEST RN 880129-32-8

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\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

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<http://www.cas.org/ONLINE/UG/regprops.html>

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E2 1 BENZYL METAPHOSPHATE, (PHCH2O) PO2/CN  
E3 1 --> BENZYL METHACRYLATE/CN  
E4 1 BENZYL METHACRYLATE HOMOPOLYMER/CN  
E5 1 BENZYL METHACRYLATE POLYMER/CN  
E6 1 BENZYL METHACRYLATE POLYMER WITH METHYL METHACRYLATE/CN  
E7 1 BENZYL METHACRYLATE TELOMER WITH THIOGLYCOLIC ACID/CN  
E8 1 BENZYL METHACRYLATE TELOMER WITH THIOSALICYLIC ACID/CN  
E9 1 BENZYL METHACRYLATE-(DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK  
COPOLYMER/CN  
E10 1 BENZYL METHACRYLATE-(N,N-DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK  
COPOLYMER/CN  
E11 1 BENZYL METHACRYLATE-(PERFLUORO)OCTYLETHYL ACRYLATE COPOLYMER/CN  
E12 1 BENZYL METHACRYLATE--METHACRYLIC ACID-METHYL  
METHACRYLATE-2,2,3,3-TETRAFLUOROPROPYL METHACRYLATE COPOLYMER/CN  
E13 1 BENZYL METHACRYLATE-B-METHACRYLOYLOXYETHYL HYDROGEN  
PHTHALATE-METHACRYLIC ACID COPOLYMER GLYCIDYL METHACRYLATE ESTER/CN  
E14 1 BENZYL METHACRYLATE-Ω-CARBOXYLPOLYCAPROLACTONE  
MONOACRYLATE-GLYCEROL MONOMETHACRYLATE-METHACRYLIC ACID-N-PHENYLMALIMIDE-STYRENE  
COPOLYMER/CN

E15 1 BENZYL  
 METHACRYLATE-1,1-BIS(TRIMETHYLSILOXY)-2-METHYL-1-PROPENE-ETHOXYTRIETHYLENE GLYCOL  
 METHACRYLATE-TRIMETHYLSILYL METHACRYLATE BLOCK COPOLYMER/CN  
 E16 1 BENZYL  
 METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-2,4,6-TRIBROMOPHENYL METHACRYLATE  
 COPOLYMER/CN  
 E17 1 BENZYL METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-STYRENE  
 COPOLYMER/CN  
 E18 1 BENZYL METHACRYLATE-1,3-BUTADIENE-BUTYL METHACRYLATE-KAYARAD  
 DPHA-METHACRYLIC ACID-R 1302 COPOLYMER/CN  
 E19 1 BENZYL METHACRYLATE-1,3-BUTADIENE-GLYCIDYL METHACRYLATE-MALEIC  
 ANHYDRIDE-METHACRYLIC ACID COPOLYMER/CN  
 E20 1 BENZYL METHACRYLATE-1,3-BUTADIENE-ITACONIC ACID-A-METHYLSTYRENE  
 COPOLYMER ESTER WITH 6,7-EPOXYHEPTYL A-ETHYLACRYLATE/CN  
 E21 1 BENZYL METHACRYLATE-1,3-BUTADIENE-METHACRYLIC ACID-STYRENE  
 COPOLYMER/CN  
 E22 1 BENZYL METHACRYLATE-1,3-BUTANEDIOL-BUTYL  
 METHACRYLATE-DIMETHYLAMINOETHYL METHACRYLATE-GLYCIDYL METHACRYLATE-STYRENE-SUCCINIC  
 ANHYDRIDE POLYMER/CN  
 E23 1 BENZYL METHACRYLATE-1,3-BUTYLENE GLYCOL  
 DIMETHACRYLATE-METHACRYLIC ACID-N,N'-PHENYLENEBISMALEIMIDE COPOLYMER/CN  
 E24 1 BENZYL METHACRYLATE-1,3-PROPANEDIOL GRAFT COPOLYMER/CN  
 E25 1 BENZYL  
 METHACRYLATE-1,4-BIS(METHACRYLOYLTHIOMETHYL)BENZENE-STYRENE-TETRAETHYLENEGLYCOL  
 DIMETHACRYLATE COPOLYMER/CN

=> S E3 OR E4 OR E5

1 "BENZYL METHACRYLATE"/CN  
 1 "BENZYL METHACRYLATE HOMOPOLYMER"/CN  
 1 "BENZYL METHACRYLATE POLYMER"/CN  
 L8 2 "BENZYL METHACRYLATE"/CN OR "BENZYL METHACRYLATE HOMOPOLYMER"/CN OR  
 "BENZYL METHACRYLATE POLYMER"/CN

=> E "PHOSPHORYLCHOLINE"/CN 25

E1 1 PHOSPHORYLATION-INHIBITING PEPTIDE/CN  
 E2 1 PHOSPHORYLCARBAMIC ACID/CN  
 E3 1 --> PHOSPHORYLCHOLINE/CN  
 E4 1 PHOSPHORYLCHOLINE CALCIUM CHLORIDE/CN  
 E5 1 PHOSPHORYLCHOLINE CALCIUM SALT/CN  
 E6 1 PHOSPHORYLCHOLINE CHLORIDE/CN  
 E7 1 PHOSPHORYLCHOLINE CHLORIDE CALCIUM SALT/CN  
 E8 1 PHOSPHORYLCHOLINE CYTIDYLYLTRANSFERASE/CN  
 E9 1 PHOSPHORYLCHOLINE ESTERASE/CHOLINEBINDING PROTEIN E (CBPE)  
 (STREPTOCOCCUS PNEUMONIAE STRAIN R6 GENE LYTD)/CN  
 E10 1 PHOSPHORYLCHOLINE HYDROCHLORIDE/CN  
 E11 1 PHOSPHORYLCHOLINE INCORPORATION INTEICHOIC AND LIPOTEICHOIC  
 ACIDS (STREPTOCOCCUS PNEUMONIAE STRAIN R6 GENE LICD1)/CN  
 E12 1 PHOSPHORYLCHOLINE MAGNESIUM SALT/CN  
 E13 1 PHOSPHORYLCHOLINE PHOSPHATASE/CN  
 E14 1 PHOSPHORYLCHOLINE PHOSPHOHYDROLASE/CN  
 E15 1 PHOSPHORYLCHOLINE SODIUM/CN  
 E16 1 PHOSPHORYLCHOLINE TRANSFERASE (HAEMOPHILUS INFLUENZAE STRAIN  
 86-028NP GENE LICD)/CN  
 E17 1 PHOSPHORYLCHOLINE(1-)/CN  
 E18 1 PHOSPHORYLCHOLINE, BARIUM SALT/CN  
 E19 1 PHOSPHORYLCHOLINE, POTASSIUM SALT/CN  
 E20 1 PHOSPHORYLCHOLINE-CERAMIDE TRANSFERASE/CN  
 E21 1 PHOSPHORYLCHOLINE-GLYCERIDE TRANSFERASE/CN  
 E22 1 PHOSPHORYLCHOLINE:CTP CYTIDYLYLTRANSFERASE/CN  
 E23 1 PHOSPHORYLCREATINE/CN  
 E24 1 PHOSPHORYLCREATININE/CN  
 E25 1 PHOSPHORYLDIMETHYLCOLAMINE/CN

=> S E3

L9 1 PHOSPHORYLCHOLINE/CN



=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
20.36	40.73

FULL ESTIMATED COST

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FILE COVERS 1907 - 13 Apr 2006 VOL 144 ISS 16  
FILE LAST UPDATED: 12 Apr 2006 (20060412/ED)

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<http://www.cas.org/infopolicy.html>

=> s 19 and 18  
2246 L9  
816 L8  
L10 0 L9 AND L8

=> s 19  
L11 2246 L9

=> s 18  
L12 816 L8

=> s 111 (1) 112  
L13 0 L11 (L) L12

=> file dissab  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.46	41.19

FULL ESTIMATED COST

FILE 'DISSABS' ENTERED AT 08:46:58 ON 13 APR 2006  
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=> s benzyl methacrylate  
2165 BENZYL

```

      2 BENZYL
2166 BENZYL
      (BENZYL OR BENZYL)
1670 METHACRYLATE
      111 METHACRYLATES
1714 METHACRYLATE
      (METHACRYLATE OR METHACRYLATES)
L14      5 BENZYL METHACRYLATE
      (BENZYL(W)METHACRYLATE)

```

```

=> s phosphorylcholine?
L15      134 PHOSPHORYLCHOLINE?

```

```

=> s l15 and l14
L16      0 L15 AND L14

```

```

=> s benzyl (S) methacrylate
      2165 BENZYL
      2 BENZYL
2166 BENZYL
      (BENZYL OR BENZYL)
1670 METHACRYLATE
      111 METHACRYLATES
1714 METHACRYLATE
      (METHACRYLATE OR METHACRYLATES)
L17      15 BENZYL (S) METHACRYLATE

```

```

=> s l15 and l17
L18      0 L15 AND L17

```

```

=> s phenyl (S) methacrylate
      4916 PHENYL
      20 PHENYL
4924 PHENYL
      (PHENYL OR PHENYL)
1670 METHACRYLATE
      111 METHACRYLATES
1714 METHACRYLATE
      (METHACRYLATE OR METHACRYLATES)
L19      34 PHENYL (S) METHACRYLATE

```

```

=> s l19 and l15
L20      0 L19 AND L15

```

```

=> s methacrylate
      1670 METHACRYLATE
      111 METHACRYLATES
L21      1714 METHACRYLATE
      (METHACRYLATE OR METHACRYLATES)

```

```

=> s l21 and l15
L22      0 L21 AND L15

```

```

=> file medline
COST IN U.S. DOLLARS
FULL ESTIMATED COST
SINCE FILE ENTRY
TOTAL SESSION
1.23 42.42

```

FILE 'MEDLINE' ENTERED AT 08:48:35 ON 13 APR 2006

FILE LAST UPDATED: 12 APR 2006 (20060412/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details

on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).  
See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_med\\_data\\_changes.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_2006\\_MeSH.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html)

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s phosphorylcholine?  
L23 3933 PHOSPHORYLCHOLINE?

=> s benzyl (S) methacrylate  
12075 BENZYL  
1 BENZYL  
12075 BENZYL  
(BENZYL OR BENZYL)  
10967 METHACRYLATE  
6263 METHACRYLATES  
14405 METHACRYLATE  
(METHACRYLATE OR METHACRYLATES)  
L24 22 BENZYL (S) METHACRYLATE

=> s 124 and 123  
L25 1 L24 AND L23

=> d ibib

L25 ANSWER 1 OF 1 MEDLINE on STN  
ACCESSION NUMBER: 2005400414 MEDLINE  
DOCUMENT NUMBER: PubMed ID: 15978662  
TITLE: Spontaneously forming hydrogel from water-soluble random-  
and block-type phospholipid polymers.  
AUTHOR: Kimura Mizuna; Fukumoto Kikuko; Watanabe Junji; Takai  
Madoka; Ishihara Kazuhiko  
CORPORATE SOURCE: Department of Materials Engineering, School of Engineering,  
The University of Tokyo, Japan.  
SOURCE: Biomaterials, (2005 Dec) Vol. 26, No. 34, pp. 6853-62.  
Journal code: 8100316. ISSN: 0142-9612.  
PUB. COUNTRY: England: United Kingdom  
DOCUMENT TYPE: (EVALUATION STUDIES)  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200512  
ENTRY DATE: Entered STN: 20050803  
Last Updated on STN: 20051215  
Entered Medline: 20051207

=> s phenyl (S) methacrylate  
38747 PHENYL  
27 PHENYL  
38758 PHENYL  
(PHENYL OR PHENYL)  
10967 METHACRYLATE  
6263 METHACRYLATES  
14405 METHACRYLATE

$$\Rightarrow s_{126} \text{ and } s_{123}$$

$$L_{27} \quad 0 \quad L_{26} \text{ AND } L_{23}$$

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.56	42.98

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```
=> s benzyl (S) methacrylate
      173599 BENZYL
           53 BENZYL S
      173621 BENZYL
              (BENZYL OR BENZYL S)
      207543 METHACRYLATE
           11665 METHACRYLATES
      209838 METHACRYLATE
              (METHACRYLATE OR METHACRYLATES)
L28      3314 BENZYL (S) METHACRYLATE
```

```
=> s 129 and 128
L30          2 L29 AND L28
```

L30 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:694963 CAPLUS  
DOCUMENT NUMBER: 144:134995  
TITLE: Spontaneously forming hydrogel from water-soluble  
random- and block-type phospholipid polymers  
AUTHOR(S): Kimura, Mizuna; Fukumoto, Kikuko; Watanabe, Junji;  
Takai, Madoka; Ishihara, Kazuhiko  
CORPORATE SOURCE: Department of Materials Engineering, School of  
Engineering, The University of Tokyo, 7-3-1 Hongo,  
Bunkyo-ku, Tokyo, 113-8656, Japan  
SOURCE: Biomaterials (2005), 26(34), 6853-6862

PUBLISHER: CODEN: BIMADU; ISSN: 0142-9612  
Elsevier Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2003:772711 CAPLUS  
DOCUMENT NUMBER: 140:5361  
TITLE: Direct Synthesis of Well-Defined Quaternized  
Homopolymers and Diblock Copolymers via ATRP in Protic  
Media  
AUTHOR(S): Li, Yuting; Armes, Steven P.; Jin, Xiaoping; Zhu,  
Shiping  
CORPORATE SOURCE: Department of Chemistry, School of Life Sciences,  
University of Sussex, Falmer, Brighton, BN1 9QJ, UK  
SOURCE: Macromolecules (2003), 36(22), 8268-8275  
CODEN: MAMOBX; ISSN: 0024-9297  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d wic 2  
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ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
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BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
CLASS ----- IPC, NCL, ECLA, FTERM  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE  
PATS ----- PI, SO  
SAM ----- CC, SX, TI, ST, IT  
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
SCAN must be entered on the same line as the DISPLAY,  
e.g., D SCAN or DISPLAY SCAN)  
STD ----- BIB, CLASS  
  
IABS ----- ABS, indented with text labels  
IALL ----- ALL, indented with text labels  
IBIB ----- BIB, indented with text labels  
IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations  
  
HIT ----- Fields containing hit terms

HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms  
HITRN ----- HIT RN and its text modification  
HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram  
HITSEQ ----- HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
its structure diagram  
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
KWIC ----- Hit term plus 20 words on either side  
OCC ----- Number of occurrence of hit term and field in which it occurs

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=> d his

(FILE 'HOME' ENTERED AT 08:39:15 ON 13 APR 2006)

FILE 'PCTFULL' ENTERED AT 08:39:23 ON 13 APR 2006

L1 564 S PHOSPHORYLCHOLINE?  
L2 36212 S METHACRYLAT?  
L3 66237 S BENZYL OR ARALKYL  
L4 2031 S L3 (S) L2  
L5 12 S L4 AND L1  
L6 5 S ASSAY AND L5  
L7 7 S L5 NOT L6

FILE 'REGISTRY' ENTERED AT 08:44:29 ON 13 APR 2006

E "BENZYL METHACRYLATE"/CN 25  
L8 2 S E3 OR E4 OR E5  
E "PHOSPHORYLCHOLINE"/CN 25  
L9 1 S E3

FILE 'CAPLUS' ENTERED AT 08:46:26 ON 13 APR 2006

L10 0 S L9 AND L8  
L11 2246 S L9  
L12 816 S L8  
L13 0 S L11 (L) L12

FILE 'DISSABS' ENTERED AT 08:46:58 ON 13 APR 2006

L14 5 S BENZYL METHACRYLATE  
L15 134 S PHOSPHORYLCHOLINE?  
L16 0 S L15 AND L14  
L17 15 S BENZYL (S) METHACRYLATE  
L18 0 S L15 AND L17  
L19 34 S PHENYL (S) METHACRYLATE  
L20 0 S L19 AND L15  
L21 1714 S METHACRYLATE  
L22 0 S L21 AND L15

FILE 'MEDLINE' ENTERED AT 08:48:35 ON 13 APR 2006

L23 3933 S PHOSPHORYLCHOLINE?  
L24 22 S BENZYL (S) METHACRYLATE

L25 1 S L24 AND L23  
L26 44 S PHENYL (S) METHACRYLATE  
L27 0 S L26 AND L23

FILE 'CAPLUS' ENTERED AT 08:49:28 ON 13 APR 2006

L28 3314 S BENZYL (S) METHACRYLATE  
L29 3902 S PHOSPHORYLCHOLINE?  
L30 2 S L29 AND L28

=> d kwic 2

L30 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AB . . . cationic diblock copolymers were prepared either by using a poly(ethylene oxide)-based macroinitiator or via sequential monomer addition with various hydrophilic methacrylates such as glycerol monomethacrylate, [2-(methacryloyloxy)ethyl]phosphorylcholine, the benzyl chloride-quaternized analog of MeDMA, and the .sulfobetaine adduct of the reaction of 2-(dimethylamino)ethyl methacrylate with 1,3-propane sultone, [2-(methacryloyloxy)ethyl]dimethyl-(3-sulfopropyl)ammonium hydroxide. Potential applications for these cationic diblock copolymers include novel gene/oligonucleotide transfer agents and also polymeric. . .

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	10.65	53.63
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

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Connecting via Winsock to STN

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LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2 "Ask CAS" for self-help around the clock

NEWS 3 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2

NEWS 4 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB

NEWS 5 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC

NEWS 6 JAN 17 Pre-1988 INPI data added to MARPAT

NEWS 7 JAN 17 IPC 8 in the WPI family of databases including WPIFV

NEWS 8 JAN 30 Saved answer limit increased

NEWS 9 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist  
visualization results

NEWS 10 FEB 22 The IPC thesaurus added to additional patent databases on STN

NEWS 11 FEB 22 Updates in EPFULL; IPC 8 enhancements added

NEWS 12 FEB 27 New STN AnaVist pricing effective March 1, 2006

NEWS 13 FEB 28 MEDLINE/LMEDLINE reload improves functionality

NEWS 14 FEB 28 TOXCENTER reloaded with enhancements

NEWS 15 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral  
property data

NEWS 16 MAR 01 INSPEC reloaded and enhanced

NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes

NEWS 18 MAR 08 X.25 communication option no longer available after June 2006

NEWS 19 MAR 22 EMBASE is now updated on a daily basis

NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL

NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC  
thesaurus added in PCTFULL

NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered

NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced

NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display  
in MARPAT

NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during  
second quarter; strategies may be affected

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT  
<http://download.cas.org/express/v8.0-Discover/>

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FILE 'HOME' ENTERED AT 09:06:30 ON 13 APR 2006

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 11 APR 2006 HIGHEST RN 880129-32-8

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```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> E "BENZYL METHACRYLATE"/CN 25
E1      1      BENZYL MESYLGLYCINATE/CN
E2      1      BENZYL METAPHOSPHATE, (PHCH2O) PO2/CN
E3      1 --> BENZYL METHACRYLATE/CN
E4      1      BENZYL METHACRYLATE HOMOPOLYMER/CN
E5      1      BENZYL METHACRYLATE POLYMER/CN
E6      1      BENZYL METHACRYLATE POLYMER WITH METHYL METHACRYLATE/CN
E7      1      BENZYL METHACRYLATE TELOMER WITH THIOGLYCOLIC ACID/CN
E8      1      BENZYL METHACRYLATE TELOMER WITH THIOSALICYLIC ACID/CN
E9      1      BENZYL METHACRYLATE-(DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK
COPOLYMER/CN
E10     1      BENZYL METHACRYLATE-(N,N-DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK
COPOLYMER/CN
E11     1      BENZYL METHACRYLATE-(PERFLUORO)OCTYLETHYL ACRYLATE COPOLYMER/CN
E12     1      BENZYL METHACRYLATE--METHACRYLIC ACID-METHYL
METHACRYLATE-2,2,3,3-TETRAFLUOROPROPYL METHACRYLATE COPOLYMER/CN
E13     1      BENZYL METHACRYLATE-B-METHACRYLOYLOXYETHYL HYDROGEN
PHTHALATE-METHACRYLIC ACID COPOLYMER GLYCIDYL METHACRYLATE ESTER/CN
E14     1      BENZYL METHACRYLATE-Ω-CARBOXYLPOLYCAPROLACTONE
MONOACRYLATE-GLYCEROL MONOMETHACRYLATE-METHACRYLIC ACID-N-PHENYLMALIMIDE-STYRENE
COPOLYMER/CN
E15     1      BENZYL
METHACRYLATE-1,1-BIS(TRIMETHYLSILOXY)-2-METHYL-1-PROPENE-ETHOXYTRIETHYLENE GLYCOL
METHACRYLATE-TRIMETHYLSILYL METHACRYLATE BLOCK COPOLYMER/CN
E16     1      BENZYL
METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-2,4,6-TRIBROMOPHENYL METHACRYLATE
COPOLYMER/CN
E17     1      BENZYL METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-STYRENE
COPOLYMER/CN
E18     1      BENZYL METHACRYLATE-1,3-BUTADIENE-BUTYL METHACRYLATE-KAYARAD
DPHA-METHACRYLIC ACID-R 1302 COPOLYMER/CN
E19     1      BENZYL METHACRYLATE-1,3-BUTADIENE-GLYCIDYL METHACRYLATE-MALEIC
ANHYDRIDE-METHACRYLIC ACID COPOLYMER/CN
E20     1      BENZYL METHACRYLATE-1,3-BUTADIENE-ITACONIC ACID-A-METHYLSTYRENE
COPOLYMER ESTER WITH 6,7-EPOXYHEPTYL A-ETHYLACRYLATE/CN
```

E21 1 BENZYL METHACRYLATE-1,3-BUTADIENE-METHACRYLIC ACID-STYRENE  
 COPOLYMER/CN  
 E22 1 BENZYL METHACRYLATE-1,3-BUTANEDIOL-BUTYL  
 METHACRYLATE-DIMETHYLAMINOETHYL METHACRYLATE-GLYCIDYL METHACRYLATE-STYRENE-SUCCINIC  
 ANHYDRIDE POLYMER/CN  
 E23 1 BENZYL METHACRYLATE-1,3-BUTYLENE GLYCOL  
 DIMETHACRYLATE-METHACRYLIC ACID-N,N'-PHENYLENEBISMALEIMIDE COPOLYMER/CN  
 E24 1 BENZYL METHACRYLATE-1,3-PROPANEDIOL GRAFT COPOLYMER/CN  
 E25 1 BENZYL  
 METHACRYLATE-1,4-BIS(METHACRYLOYLTHIOMETHYL) BENZENE-STYRENE-TETRAETHYLENEGLYCOL  
 DIMETHACRYLATE COPOLYMER/CN

=> S E3 OR E4 OR E5

1 "BENZYL METHACRYLATE"/CN  
 1 "BENZYL METHACRYLATE HOMOPOLYMER"/CN  
 1 "BENZYL METHACRYLATE POLYMER"/CN  
 L1 2 "BENZYL METHACRYLATE"/CN OR "BENZYL METHACRYLATE HOMOPOLYMER"/CN OR  
 "BENZYL METHACRYLATE POLYMER"/CN

=> DIS L1 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS  
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 25085-83-0 REGISTRY  
 CN 2-Propenoic acid, 2-methyl-, phenylmethyl ester, homopolymer (9CI) (CA  
 INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Methacrylic acid, benzyl ester, polymers (8CI)  
 OTHER NAMES:  
 CN Benzyl methacrylate homopolymer  
 CN Benzyl methacrylate polymer  
 CN Poly(benzyl methacrylate)  
 DR 128337-95-1, 139559-96-9  
 MF (C11 H12 O2)x  
 CI PMS, COM  
 PCT Polyacrylic  
 LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CIN, CSCHEM, IFICDB,  
 IFIPAT, IFIUDB, IPA, MSDS-OHS, PIRA, TOXCENTER, USPAT2, USPATFULL  
 DT.CA Caplus document type: Conference; Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC  
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);  
 NORL (No role in record)  
 RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);  
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RL.NP Roles from non-patents: BIOL (Biological study); CMBI (Combinatorial  
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses); NORL (No role in record)  
 RLD.NP Roles for non-specific derivatives from non-patents: PREP  
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or  
 reagent); USES (Uses)

CM 1

CRN 2495-37-6  
 CMF C11 H12 O2

/ Structure 27 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

384 REFERENCES IN FILE CA (1907 TO DATE)

38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
384 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> E "BENZYL METHACRYLATE"/CN 25

E1 1 BENZYL MESYLGLYCINATE/CN  
E2 1 BENZYL METAPHOSPHATE, (PHCH2O)PO2/CN  
E3 1 --> BENZYL METHACRYLATE/CN  
E4 1 BENZYL METHACRYLATE HOMOPOLYMER/CN  
E5 1 BENZYL METHACRYLATE POLYMER/CN  
E6 1 BENZYL METHACRYLATE POLYMER WITH METHYL METHACRYLATE/CN  
E7 1 BENZYL METHACRYLATE TELOMER WITH THIOGLYCOLIC ACID/CN  
E8 1 BENZYL METHACRYLATE TELOMER WITH THIOSALICYLIC ACID/CN  
E9 1 BENZYL METHACRYLATE-(DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK  
COPOLYMER/CN  
E10 1 BENZYL METHACRYLATE-(N,N-DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK  
COPOLYMER/CN  
E11 1 BENZYL METHACRYLATE-(PERFLUORO)OCTYLETHYL ACRYLATE COPOLYMER/CN  
E12 1 BENZYL METHACRYLATE--METHACRYLIC ACID-METHYL  
METHACRYLATE-2,2,3,3-TETRAFLUOROPROPYL METHACRYLATE COPOLYMER/CN  
E13 1 BENZYL METHACRYLATE-B-METHACRYLOYLOXYETHYL HYDROGEN  
PHTHALATE-METHACRYLIC ACID COPOLYMER GLYCIDYL METHACRYLATE ESTER/CN  
E14 1 BENZYL METHACRYLATE-Ω-CARBOXYLPOLYCAPROLACTONE  
MONOACRYLATE-GLYCEROL MONOMETHACRYLATE-METHACRYLIC ACID-N-PHENYLMALIMIDE-STYRENE  
COPOLYMER/CN  
E15 1 BENZYL  
METHACRYLATE-1,1-BIS(TRIMETHYLSILOXY)-2-METHYL-1-PROPENE-ETHOXYTRIETHYLENE GLYCOL  
METHACRYLATE-TRIMETHYLSILYL METHACRYLATE BLOCK COPOLYMER/CN  
E16 1 BENZYL  
METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-2,4,6-TRIBROMOPHENYL METHACRYLATE  
COPOLYMER/CN  
E17 1 BENZYL METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-STYRENE  
COPOLYMER/CN  
E18 1 BENZYL METHACRYLATE-1,3-BUTADIENE-BUTYL METHACRYLATE-KAYARAD  
DPHA-METHACRYLIC ACID-R 1302 COPOLYMER/CN  
E19 1 BENZYL METHACRYLATE-1,3-BUTADIENE-GLYCIDYL METHACRYLATE-MALEIC  
ANHYDRIDE-METHACRYLIC ACID COPOLYMER/CN  
E20 1 BENZYL METHACRYLATE-1,3-BUTADIENE-ITACONIC ACID-A-METHYLSTYRENE  
COPOLYMER ESTER WITH 6,7-EPOXYHEPTYL A-ETHYLACRYLATE/CN  
E21 1 BENZYL METHACRYLATE-1,3-BUTADIENE-METHACRYLIC ACID-STYRENE  
COPOLYMER/CN  
E22 1 BENZYL METHACRYLATE-1,3-BUTANEDIOL-BUTYL  
METHACRYLATE-DIMETHYLAMINOETHYL METHACRYLATE-GLYCIDYL METHACRYLATE-STYRENE-SUCCINIC  
ANHYDRIDE POLYMER/CN  
E23 1 BENZYL METHACRYLATE-1,3-BUTYLENE GLYCOL  
DIMETHACRYLATE-METHACRYLIC ACID-N,N'-PHENYLENEBISMALEIMIDE COPOLYMER/CN  
E24 1 BENZYL METHACRYLATE-1,3-PROPANEDIOL GRAFT COPOLYMER/CN  
E25 1 BENZYL  
METHACRYLATE-1,4-BIS(METHACRYLOYLTHIOMETHYL)BENZENE-STYRENE-TETRAETHYLENEGLYCOL  
DIMETHACRYLATE COPOLYMER/CN

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

19.26

19.47

FILE 'CAPLUS' ENTERED AT 09:11:26 ON 13 APR 2006

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FILE COVERS 1907 - 13 Apr 2006 VOL 144 ISS 16  
FILE LAST UPDATED: 12 Apr 2006 (20060412/ED)

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=> s 11  
L2 816 L1

=> s 67881-98-5  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 186 L3

=> s 14 and 12  
L5 0 L4 AND L2

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.41	22.78

STN INTERNATIONAL LOGOFF AT 09:12:09 ON 13 APR 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced  
with preparation role  
NEWS 4 DEC 18 CA/CAPLUS patent kind codes updated  
NEWS 5 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased  
to 50,000  
NEWS 6 DEC 18 MEDLINE updated in preparation for 2007 reload  
NEWS 7 DEC 27 CA/CAPLUS enhanced with more pre-1907 records  
NEWS 8 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 9 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded  
NEWS 10 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 11 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 12 JAN 22 CA/CAPLUS updated with revised CAS roles  
NEWS 13 JAN 22 CA/CAPLUS enhanced with patent applications from India  
NEWS 14 JAN 29 PHAR reloaded with new search and display fields  
NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in  
multiple databases  
NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 19 FEB 26 MEDLINE reloaded with enhancements  
NEWS 20 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 21 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 22 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000  
to 300,000 in multiple databases  
NEWS 24 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
NEWS 25 MAR 16 CASREACT coverage extended  
NEWS 26 MAR 20 MARPAT now updated daily  
NEWS 27 MAR 22 LWPI reloaded  
NEWS 28 MAR 30 RDISCLOSURE reloaded with enhancements  
NEWS 29 MAR 30 INPADOCDB will replace INPADOC on STN  
NEWS 30 APR 02 JICST-EPLUS removed from database clusters and STN  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007  
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STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7  
DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

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=> s 2495-37-6  
L1 1 2495-37-6  
(2495-37-6/RN)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.45	0.66

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007  
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FILE COVERS 1907 - 3 Apr 2007 VOL 146 ISS 15  
FILE LAST UPDATED: 2 Apr 2007 (20070402/ED)

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=> s 11/pof  
504 L1  
220657 POF/RL  
L2 27 L1/POF  
(L1 (L) POF/RL)

=> s l2 not py>2001  
6075210 PY>2001  
L3 5 L2 NOT PY>2001

=> d ibib 1-5

L3 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:668224 CAPLUS  
DOCUMENT NUMBER: 135:227929  
TITLE: Fiber-reinforced resin compositions for use in  
concrete structure patching with low odor and good  
adhesion and method for patching  
INVENTOR(S): Maeda, Yasuhiro; Akiyama, Kosuke; Murao, Masayoshi;  
Takayanagi, Takashi  
PATENT ASSIGNEE(S): Japan U-Pica Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
JP 2001247636	A	20010911	JP 2000-64328	20000309
PRIORITY APPLN. INFO.:			JP 2000-64328	20000309

L3 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:17872 CAPLUS  
DOCUMENT NUMBER: 134:72394  
TITLE: Thermosetting polymer compositions with low curing  
shrinkage in molding and their composites with  
inorganic fillers  
INVENTOR(S): Matsui, Fumio; Morita, Katsuhisa; Hatano, Yoshitaka;  
Takahashi, Kentaro  
PATENT ASSIGNEE(S): Showa Highpolymer Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001002741	A	20010109	JP 1999-172869	19990618
PRIORITY APPLN. INFO.:			JP 1999-172869	19990618

L3 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1997:315201 CAPLUS  
DOCUMENT NUMBER: 126:294441  
TITLE: Thermosetting resin-inorganic fiber composite sheets  
with visibility at high temperature  
INVENTOR(S): Uda, Takashi; Kyono, Hiroshi  
PATENT ASSIGNEE(S): Sekisui Chemical Co. Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 09067775	A	19970311	JP 1995-220221	19950829

PRIORITY APPLN. INFO.:

JP 1995-220221

19950829

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:205069 CAPLUS

DOCUMENT NUMBER: 124:234043

TITLE: One-component reactive adhesives which become porous during curing

INVENTOR(S): Friese, Carsten; Bergmann, Frank; Huver, Thomas

PATENT ASSIGNEE(S): Henkel Kgaa, Germany

SOURCE: Ger. Offen., 7 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4427471	A1	19960208	DE 1994-4427471	19940803
WO 9604347	A1	19960215	WO 1995-EP2961	19950725
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 773979	A1	19970521	EP 1995-928472	19950725
EP 773979	B1	19991013		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 10503539	T	19980331	JP 1995-506166	19950725
AT 185583	T	19991015	AT 1995-928472	19950725
ES 2138232	T3	20000101	ES 1995-928472	19950725
US 5962540	A	19991005	US 1997-776728	19970303
PRIORITY APPLN. INFO.:			DE 1994-4427471	A 19940803
			WO 1995-EP2961	W 19950725

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1996:102507 CAPLUS

DOCUMENT NUMBER: 124:119094

TITLE: One-component reactive adhesives containing an isocyanate and/or silane group-containing adhesive and an aerobic adhesive

INVENTOR(S): Huver, Thomas; Fischer, Herbert; Klauck, Wolfgang; Bolte, Gerd

PATENT ASSIGNEE(S): Henkel KGaA, Germany

SOURCE: Ger. Offen., 6 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4420151	A1	19951214	DE 1994-4420151	19940609
WO 9533800	A1	19951214	WO 1995-EP2047	19950530
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 764192	A1	19970326	EP 1995-921779	19950530
EP 764192	B1	19980812		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 10501012	T	19980127	JP 1995-500315	19950530
AT 169661	T	19980815	AT 1995-921779	19950530
ES 2119449	T3	19981001	ES 1995-921779	19950530
US 5744543	A	19980428	US 1996-750426	19961209
PRIORITY APPLN. INFO.:			DE 1994-4420151	A 19940609
			WO 1995-EP2047	W 19950530



=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.33

11.99

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "METHACRYLOYLOXETHYL"/CN 25

E1 1 METHACRYLOYLLUPININE HYDROCHLORIDE/CN  
E2 1 METHACRYLOYLNEOPETASOL/CN  
E3 0 --> METHACRYLOYLOXETHYL/CN  
E4 1 METHACRYLOYLOXY POLYTETRAHYDROFURAN/CN  
E5 1 METHACRYLOYLOXY SILOXANES/CN  
E6 1 METHACRYLOYLOXY SUCCINIMIDE/CN  
E7 1 METHACRYLOYLOXY (TRIETHOXY) SILANE-TETRAETHOXSILANE HYDROLYTIC  
COPOLYMER/CN  
E8 1 METHACRYLOYLOXY-B-HYDROXYPROPYL N-PHENYLGLYCINE/CN  
E9 1 METHACRYLOYLOXYBUTYL ANTHRANILATE/CN  
E10 1 METHACRYLOYLOXYETHYL ANTHRANILATE/CN  
E11 1 METHACRYLOYLOXYETHYL ANTHRANILATE POLYMER/CN  
E12 1 METHACRYLOYLOXYETHYL ANTHRANILATE-BUTADIENE-STYRENE POLYMER/CN  
E13 1 METHACRYLOYLOXYETHYL ANTHRANILATE-STYRENE-BUTYL ACRYLATE  
POLYMER/CN  
E14 1 METHACRYLOYLOXYETHYL DIPHENYL PHOSPHATE/CN  
E15 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHOXYTETRAETHYLENE GLYCOL  
MONOMETHACRYLATE COPOLYMER/CN  
E16 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE COPOLYMER/CN  
E17 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHYL  
METHACRYLATE-B-(PERFLUOROOCXYL)ETHYL METHACRYLATE COPOLYMER/CN  
E18 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHYL  
METHACRYLATE-TRI (OXYTETRAMETHYLENE) GLYCOL DIMETHACRYLATE COPOLYMER/CN  
E19 1 METHACRYLOYLOXYETHYL PHOSPHATE/CN  
E20 1 METHACRYLOYLOXYETHYL  
PHOSPHATE-2-METHYLSTYRENE-TRIS (2- (ACRYLOYLOXY) ETHYL) ISOCYANURATE-VINYLSULFONIC  
ACID-2-VINYLTIAZOLE-VINYL N-VALERATE COPOLYMER/CN  
E21 1 METHACRYLOYLOXYETHYL  
PHOSPHATE-3-METHYLSTYRENE-TRIS (2- (ACRYLOYLOXY) ETHYL) ISOCYANURATE-VINYL  
BUTYRATE-2-VINYL-1,3-DIOXOLANE COPOLYMER/CN  
E22 1 METHACRYLOYLOXYETHYL PHOSPHATE-ENC-POLYETHYLENE GLYCOL  
DIMETHACRYLATE-RIPOXY 630X501 COPOLYMER/CN  
E23 1 METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN

E24 1 METHACRYLOYLOXYETHYL PHOSPHITE/CN  
 E25 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
 METHACRYLATE COPOLYMER/CN  
  
 => E 25  
 E26 1 METHACRYLOYLOXYETHYL PHTHALATE-4-METHACRYLOYLOXYETHYLTRIMELLITIC  
 ANHYDRIDE-TRIETHYLENE GLYCOL DIMETHACRYLATE-URETHANE DIMETHACRYLATE COPOLYMER/CN  
 E27 1 METHACRYLOYLOXYETHYL SUCCINATE/CN  
 E28 1 METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN  
 E29 1 METHACRYLOYLOXYETHYL-BENZYL DIMETHYLAMMONIUM CHLORIDE/CN  
 E30 1 METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM  
 P-TOLUENESULFONATE-STYRENE COPOLYMER/CN  
 E31 1 METHACRYLOYLOXYETHYLDIMETHYLAMINE/CN  
 E32 1 METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E33 1 METHACRYLOYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
 E34 1 METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E35 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE  
 COPOLYMER/CN  
 E36 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYLAMMONIUM  
 BROMIDE-METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-STYRENE  
 COPOLYMER/CN  
 E37 1 METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN  
 E38 1 METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM  
 CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN  
 E39 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
 E40 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE  
 COPOLYMER/CN  
 E41 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
 CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN  
 E42 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL  
 METHACRYLATE COPOLYMER/CN  
 E43 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-LAURYL  
 METHACRYLATE COPOLYMER/CN  
 E44 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E45 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN  
 E46 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT  
 COPOLYMER/CN  
 E47 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
 CHLORIDE-N,N-DIMETHYLACRYLAMIDE-PENTAERYTHRITOL TRIALLYL ETHER COPOLYMER/CN  
 E48 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-N-VINYLFORAMIDE  
 COPOLYMER/CN  
 E49 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-POLYETHYLENE  
 GLYCOL METHYL ETHER METHACRYLATE COPOLYMER/CN  
 E50 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-SODIUM  
 METHALLYLSULFONATE COPOLYMER/CN  
  
 => E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25  
 E1 1 2-METHACRYLOYLBENZALDEHYDE/CN  
 E2 1 2-METHACRYLOYLBENZOXAZOLE/CN  
 E3 0 --> 2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE/CN  
 E4 1 2-METHACRYLOYLOXY-2'-METHOXY-1,1'-BINAPHTHALENE/CN  
 E5 1 2-METHACRYLOYLOXY-2'-METHOXY-1,1'-BINAPHTHALENE HOMOPOLYMER/CN  
 E6 1  
 2-METHACRYLOYLOXY-2-CHLOROETHYL (2-METHACRYLOYLOXY-2-BROMOETHYL) (2,3-DIBROMOPROPYL) PH  
 OSPHINE OXIDE/CN  
 E7 1 2-METHACRYLOYLOXY-2-METHYLADAMANTANE/CN  
 E8 1  
 2-METHACRYLOYLOXY-2-METHYLADAMANTANE-A-METHACRYLOYLOXY-Γ-BUTYROLACTONE-1-ACRYLOYLO  
 XY-3-HYDROXYADAMANTANE COPOLYMER/CN  
 E9 1  
 2-METHACRYLOYLOXY-2-METHYLADAMANTANE-A-METHACRYLOYLOXY-Γ-BUTYROLACTONE-1-METHACRYL  
 OYLOXY-3-HYDROXYADAMANTANE COPOLYMER/CN

E10 1  
 2-METHACRYLOYLOXY-2-METHYLADAMANTANE-B-METHACRYLOYLOXY-B-METHYL-Δ-VALEROLACTONE  
 COPOLYMER/CN  
 E11 1  
 2-METHACRYLOYLOXY-7-(1-ADAMANTYLOXY) CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN  
 E12 1  
 2-METHACRYLOYLOXY-7-(1-ETHYLCYCLOHEXYLOXY) CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN  
 E13 1  
 2-METHACRYLOYLOXY-7-(2-METHYL-2-ADAMANTYLOXY) CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN  
 E14 1 2-METHACRYLOYLOXYBENZOIC ACID/CN  
 E15 1 2-METHACRYLOYLOXYBENZOYL CHLORIDE/CN  
 E16 1 2-METHACRYLOYLOXYETHYL B,D-GALACTOPYRANOSIDE HOMOPOLYMER/CN  
 E17 1 2-METHACRYLOYLOXYETHYL 2,3,5-TRIIODOBENZOATE/CN  
 E18 1 2-METHACRYLOYLOXYETHYL 2,3,5-TRIIODOBENZOATE HOMOPOLYMER/CN  
 E19 1 2-METHACRYLOYLOXYETHYL 2,5-DIMETHOXYSTILBENE-4'-CARBAMATE/CN  
 E20 1 2-METHACRYLOYLOXYETHYL 2,5-DIMETHOXYSTILBENE-4'-CARBAMATE  
 POLYMER/CN  
 E21 1 2-METHACRYLOYLOXYETHYL 2-HYDROXYPROPYL PHTHALATE/CN  
 E22 1 2-METHACRYLOYLOXYETHYL 3-CHLORO-4-HYDROXYBENZOATE/CN  
 E23 1 2-METHACRYLOYLOXYETHYL 4'-CHALCONECARBOXYLATE/CN  
 E24 1 2-METHACRYLOYLOXYETHYL 4'-CHALCONECARBOXYLATE POLYMER/CN  
 E25 1 2-METHACRYLOYLOXYETHYL 4-CHALCONECARBOXYLATE/CN  
  
 => E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25  
 E1 1 METHACRYLOYLLUPININE HYDROCHLORIDE/CN  
 E2 1 METHACRYLOYLNEOPETASOL/CN  
 E3 0 --> METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE/CN  
 E4 1 METHACRYLOYLOXY POLYTETRAHYDROFURAN/CN  
 E5 1 METHACRYLOYLOXY SILOXANES/CN  
 E6 1 METHACRYLOYLOXY SUCCINIMIDE/CN  
 E7 1 METHACRYLOYLOXY (TRIETHOXY) SILANE-TETRAETHOXSILANE HYDROLYTIC  
 COPOLYMER/CN  
 E8 1 METHACRYLOYLOXY-B-HYDROXYPROPYL N-PHENYLGLYCINE/CN  
 E9 1 METHACRYLOYLOXYBUTYL ANTHRANILATE/CN  
 E10 1 METHACRYLOYLOXYETHYL ANTHRANILATE/CN  
 E11 1 METHACRYLOYLOXYETHYL ANTHRANILATE POLYMER/CN  
 E12 1 METHACRYLOYLOXYETHYL ANTHRANILATE-BUTADIENE-STYRENE POLYMER/CN  
 E13 1 METHACRYLOYLOXYETHYL ANTHRANILATE-STYRENE-BUTYL ACRYLATE  
 POLYMER/CN  
 E14 1 METHACRYLOYLOXYETHYL DIPHENYL PHOSPHATE/CN  
 E15 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHOXYTETRAETHYLENE GLYCOL  
 MONOMETHACRYLATE COPOLYMER/CN  
 E16 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE COPOLYMER/CN  
 E17 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHYL  
 METHACRYLATE-B-(PERFLUOROCTYL)ETHYL METHACRYLATE COPOLYMER/CN  
 E18 1 METHACRYLOYLOXYETHYL ISOCYANATE-METHYL  
 METHACRYLATE-TRI(OXYTETRAMETHYLENE) GLYCOL DIMETHACRYLATE COPOLYMER/CN  
 E19 1 METHACRYLOYLOXYETHYL PHOSPHATE/CN  
 E20 1 METHACRYLOYLOXYETHYL  
 PHOSPHATE-2-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYLSULFONIC  
 ACID-2-VINYLTIAZOLE-VINYL N-VALERATE COPOLYMER/CN  
 E21 1 METHACRYLOYLOXYETHYL  
 PHOSPHATE-3-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYL  
 BUTYRATE-2-VINYL-1,3-DIOXOLANE COPOLYMER/CN  
 E22 1 METHACRYLOYLOXYETHYL PHOSPHATE-ENC-POLYETHYLENE GLYCOL  
 DIMETHACRYLATE-RIPOXY 630X501 COPOLYMER/CN  
 E23 1 METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN  
 E24 1 METHACRYLOYLOXYETHYL PHOSPHITE/CN  
 E25 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
 METHACRYLATE COPOLYMER/CN

=>

=>  
Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.24

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 11:46:38 ON 03 APR 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'REGISTRY' AT 11:49:58 ON 03 APR 2007  
FILE 'REGISTRY' ENTERED AT 11:49:58 ON 03 APR 2007  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.24

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.25	14.24

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007  
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STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7  
DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E1	1	METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN
E2	1	METHACRYLOYLOXYETHYL PHOSPHITE/CN

E3 0 --> METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN  
 E4 1 METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL  
 METHACRYLATE COPOLYMER/CN  
 E5 1 METHACRYLOYLOXYETHYL PHTHALATE-4-METHACRYLOYLOXYETHYLTRIMELLITIC  
 ANHYDRIDE-TRIETHYLENE GLYCOL DIMETHACRYLATE-URETHANE DIMETHACRYLATE COPOLYMER/CN  
 E6 1 METHACRYLOYLOXYETHYL SUCCINATE/CN  
 E7 1 METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN  
 E8 1 METHACRYLOYLOXYETHYL-BENZYL DIMETHYLAMMONIUM CHLORIDE/CN  
 E9 1 METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM  
 P-TOLUENESULFONATE-STYRENE COPOLYMER/CN  
 E10 1 METHACRYLOYLOXYETHYLDIMETHYLAMINE/CN  
 E11 1 METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E12 1 METHACRYLOYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
 E13 1 METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E14 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE  
 COPOLYMER/CN  
 E15 1 METHACRYLOYLOXYETHYLHEXADECYLDIMETHYLAMMONIUM  
 BROMIDE-METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-STYRENE  
 COPOLYMER/CN  
 E16 1 METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN  
 E17 1 METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM  
 CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN  
 E18 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN  
 E19 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE  
 COPOLYMER/CN  
 E20 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM  
 CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN  
 E21 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL  
 METHACRYLATE COPOLYMER/CN  
 E22 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-LAURYL  
 METHACRYLATE COPOLYMER/CN  
 E23 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE COPOLYMER/CN  
 E24 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN  
 E25 1 METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT  
 COPOLYMER/CN

=> E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E1 1 2-METHACRYLOYLOXYETHYL PHOSPHATE-SODIUM ACRYLATE COPOLYMER/CN  
 E2 1 2-METHACRYLOYLOXYETHYL PHOSPHATE-STYRENE COPOLYMER/CN  
 E3 1 --> 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN  
 E4 1 2-METHACRYLOYLOXYETHYL  
 PHOSPHORYLCHOLINE-(4-METHOXYCINAMOYL) PHENYL METHACRYLATE COPOLYMER/CN  
 E5 1 2-METHACRYLOYLOXYETHYL  
 PHOSPHORYLCHOLINE-3-METHACRYLOYLOXYPROPYLTRIETHOXYLANE COPOLYMER/CN  
 E6 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-METHYLENEBISACRYLAMIDE  
 COPOLYMER/CN  
 E7 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-OXIRANE BLOCK  
 COPOLYMER/CN  
 E8 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-P-PHENYLAZOACRYLANILIDE  
 COPOLYMER/CN  
 E9 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-PROPYL METHACRYLATE  
 COPOLYMER/CN  
 E10 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-PROPYLENE OXIDE BLOCK  
 COPOLYMER/CN  
 E11 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-STYRENE COPOLYMER/CN  
 E12 1 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIETHYLENE GLYCOL  
 DIMETHACRYLATE COPOLYMER/CN  
 E13 1 2-METHACRYLOYLOXYETHYL PHTHALATE-METHYL METHACRYLATE COPOLYMER/CN  
 E14 1 2-METHACRYLOYLOXYETHYL PHTHALIC ACID ZINC SALT/CN  
 E15 2 2-METHACRYLOYLOXYETHYL SUCCINATE/CN  
 E16 1 2-METHACRYLOYLOXYETHYL SUCCINATE-2,2,2-TRIFLUOROETHYL  
 METHACRYLATE-YDCN 703 COPOLYMER/CN

E17 1 2-METHACRYLOYLOXYETHYL SUCCINATE-STYRENE COPOLYMER/CN  
 E18 1 2-METHACRYLOYLOXYETHYL SULFATE PYRIDINE SALT/CN  
 E19 1 2-METHACRYLOYLOXYETHYL  
 TRANS-2,5-DIMETHOXYSTILBENE-4'-CARBAMATE/CN  
 E20 1 2-METHACRYLOYLOXYETHYL TRIMELLITATE/CN  
 E21 1 2-METHACRYLOYLOXYETHYL TRIMETHYLAMMONIUM CHLORIDE-METHYL  
 METHACRYLATE-ETHYL METHACRYLATE COPOLYMER/CN  
 E22 1 2-METHACRYLOYLOXYETHYL-2'-(TRIMETHYLAMMONIO)ETHYL  
 PHOSPHATE-POLYPROPYLENE GLYCOL MONOMETHACRYLATE COPOLYMER/CN  
 E23 1 2-METHACRYLOYLOXYETHYL-2'-(TRIMETHYLAMMONIO)ETHYL  
 PHOSPHATE-STEARYL METHACRYLATE COPOLYMER/CN  
 E24 1 2-METHACRYLOYLOXYETHYL-2'-TRIMETHYLAMMONIUMETHYL PHOSPHATE INNER  
 SALT-POLYETHYLENE GLYCOL METHACRYLATE BLOCK COPOLYMER/CN  
 E25 1 2-METHACRYLOYLOXYETHYL-2-(TRIMETHYLAMMONIO)ETHYL  
 PHOSPHATE-STEARYL METHACRYLATE COPOLYMER/CN

=> S E3

L4 1 "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.40	19.64

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007  
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STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7  
 DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

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 conducting SmartSELECT searches.

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 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 14

L5 1 "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN

=> d ibib

'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual  
 fields or predefined formats. The predefined substance formats  
 are: (RN = CAS Registry Number)

REG - RN  
 SAM - Index Name, MF, and structure - no RN  
 FIDE - All substance data, except sequence data  
 IDE - FIDE, but only 50 names

SQIDE - IDE, plus sequence data  
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
 SQD - Protein sequence data, includes RN  
 SQD3 - Same as SQD, but 3-letter amino acid codes are used  
 SQN - Protein sequence name information, includes RN  
  
 CALC - Table of calculated properties  
 EPROP - Table of experimental properties  
 PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
 APPS -- Application and Priority Information  
 BIB -- CA Accession Number, plus Bibliographic Data  
 CAN -- CA Accession Number  
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
 IND -- Index Data  
 IPC -- International Patent Classification  
 PATS -- PI, SO  
 STD -- BIB, IPC, and NCL  
  
 IABS -- ABS, indented, with text labels  
 IBIB -- BIB, indented, with text labels  
 ISTD -- STD format, indented  
  
 OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels  
  
 SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
 HELP FORMATS -- To see detailed descriptions of the predefined formats.  
 ENTER DISPLAY FORMAT (IDE):end

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	5.40	25.04

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007

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FILE COVERS 1907 - 3 Apr 2007 VOL 146 ISS 15  
FILE LAST UPDATED: 2 Apr 2007 (20070402/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 14

L6 222 L4

=> d his

(FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007)

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007  
L1 1 S 2495-37-6

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007  
L2 27 S L1/POF  
L3 5 S L2 NOT PY>2001

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007  
E "METHACRYLOYLOXETHYL"/CN 25  
E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25  
E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007  
E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25  
E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25  
L4 1 S E3

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007  
L5 1 S L4

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007  
L6 222 S L4

=> s 11

L7 504 L1

=> s 16 and 17

L8 0 L6 AND L7

=> s 16 and benzyl

181949 BENZYL

55 BENZYL S

181973 BENZYL

(BENZYL OR BENZYL S)

L9 0 L6 AND BENZYL

=> s agglutination

14384 AGGLUTINATION

139 AGGLUTINATIONS

L10 14438 AGGLUTINATION

(AGGLUTINATION OR AGGLUTINATIONS)

=> s 110 and 17

L11 0 L10 AND L7

=> s 110 and 16

L12 2 L10 AND L6



=> d ibib 1-2

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2002:172237 CAPLUS  
DOCUMENT NUMBER: 136:213193  
TITLE: Highly reproducible agglutination  
immunoassay method and reagent  
INVENTOR(S): Shigenobu, Kayoko; Shuto, Kenshiro; Sakaki, Shujiro  
PATENT ASSIGNEE(S): Kyowa Medex Co.,ltd, Japan; Nof Corporation  
SOURCE: PCT Int. Appl., 35 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018953	A1	20020307	WO 2001-JP7385	20010828
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2420770	A1	20020307	CA 2001-2420770	20010828
AU 200180210	A	20020313	AU 2001-80210	20010828
EP 1314982	A1	20030528	EP 2001-958575	20010828
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
US 2003166302	A1	20030904	US 2003-363038	20030228
US 7166476	B2	20070123		
PRIORITY APPLN. INFO.:			JP 2000-259964	A 20000829
			WO 2001-JP7385	W 20010828
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:617197 CAPLUS  
DOCUMENT NUMBER: 135:192510  
TITLE: Microparticle dispersion agent for clinical test,  
reagent for clinical test, its manufacturing method,  
clinical test method and application  
INVENTOR(S): Shudo, Kenshiro; Sakaki, Shujiro; Yamada, Satoru;  
Sakamoto, Nobuyuki; Suzuki, Tadashi  
PATENT ASSIGNEE(S): Nof Corporation, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001228149	A	20010824	JP 2000-34931	20000214
PRIORITY APPLN. INFO.:			JP 2000-34931	20000214

=> d abs 2

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AB A microparticle dispersion agent for a clin. test is provided, which improves a dispersion stability of the microparticle-containing reagent and a redispersion ability of the microparticles for clin. test coagulated during the process of reagent preparation or measurement without decreasing the activity of the bound antigen or antibody. The microparticle dispersion agent possessing high reproducibility and high sensitivity is processed by a simple method suited for an automated analyzer. The agent contains as an effective component a polymer prepared by polymerizing the monomer composition consisting of phosphorylcholin-analogous group-containing monomer (e.g., 2-(meth)acryloyloxyethyl-2'-(trimethylammonio)ethylphosphate).

=> d his

(FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007)

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007

L1 1 S 2495-37-6

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007

L2 27 S L1/POF

L3 5 S L2 NOT PY>2001

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007

E "METHACRYLOYLOXETHYL"/CN 25

E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007

E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25

L4 1 S E3

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007

L5 1 S L4

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007

L6 222 S L4

L7 504 S L1

L8 0 S L6 AND L7

L9 0 S L6 AND BENZYL

L10 14438 S AGGLUTINATION

L11 0 S L10 AND L7

L12 2 S L10 AND L6

=> s 16 not py>2002

5101876 PY>2002

L13 88 L6 NOT PY>2002

=> s 113 and methacrylate

218320 METHACRYLATE

11962 METHACRYLATES

220696 METHACRYLATE

(METHACRYLATE OR METHACRYLATES)

L14 50 L13 AND METHACRYLATE

=> s 113 and arylacrylate

50 ARYLACRYLATE

53 ARYLACRYLATES

85 ARYLACRYLATE

(ARYLACRYLATE OR ARYLACRYLATES)

L15 0 L13 AND ARYLACRYLATE

=> d l14 ibib kwic

L14 ANSWER 1 OF 50 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:134901 CAPLUS

DOCUMENT NUMBER: 139:265636

TITLE: Segmented polyurethane/ 2-methacryloyloxyethyl  
phosphorylcholine polymer alloy as novel biomaterials  
with nano-scale polymer domains

AUTHOR(S): Ogawa, Ryo; Watanabe, Junji; Ishihara, Kazuhiko

CORPORATE SOURCE: Department of Materials Engineering, School of  
Engineering, The University of Tokyo, Japan

SOURCE: Transactions of the Materials Research Society of  
Japan (2002), 27(4), 767-770  
CODEN: TMRJE3; ISSN: 1382-3469

PUBLISHER: Materials Research Society of Japan

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 182816-96-2P, 2-Ethylhexyl methacrylate-2-methacryloyloxyethyl  
phosphorylcholine copolymer

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP  
(Physical process); SPN (Synthetic preparation); THU (Therapeutic use);  
BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
(polymer alloy of segmented polyurethane with 2-methacryloyloxyethyl  
phosphorylcholine polymer as novel biomaterials with nano-scale polymer  
domains)

IT 67881-98-5P, 2-Methacryloyloxyethyl phosphorylcholine

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(polymer alloy of segmented polyurethane with 2-methacryloyloxyethyl  
phosphorylcholine polymer as novel biomaterials with nano-scale polymer  
domains)

=> s l14 and benz?

1292616 BENZ?

L16 3 L14 AND BENZ?

=> d ibib 1-3

L16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:69582 CAPLUS

DOCUMENT NUMBER: 132:208187

TITLE: Kinetic study on the radical polymerization of  
2-methacryloyloxyethyl phosphorylcholine

AUTHOR(S): Sato, Tsuneyuki; Miyoshi, Takashi; Seno, Makiko

CORPORATE SOURCE: Department of Chemical Science and Technology, Faculty  
of Engineering, Tokushima University, Tokushima,  
770-8506, Jordan

SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry  
(2000), 38(3), 509-515

CODEN: JPACEC; ISSN: 0887-624X

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:512479 CAPLUS

DOCUMENT NUMBER: 129:221223

TITLE: Soluble cellulose derivatives, their manufacture,  
grafted products, and biocompatible materials

INVENTOR(S): Fukui, Hiroki; Matsuyama, Kazuo; Ishihara, Kazuhiko;

PATENT ASSIGNEE(S): Nakahayashi, Nobuo  
 SOURCE: Nippon Oil and Fats Co., Ltd., Japan; Nakabayashi, Norio; Foundation for Scientific Technology Promotion  
 Jpn. Kokai Tokkyo Koho, 11 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10212301	A	19980811	JP 1997-14988	19970129
PRIORITY APPLN. INFO.:			JP 1997-14988	19970129

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1997:381020 CAPLUS  
 DOCUMENT NUMBER: 126:343686  
 TITLE: Synthesis of polymerizable phosphodiester  
 INVENTOR(S): Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.  
 PATENT ASSIGNEE(S): Biocompatibles Limited, UK; Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714703	A1	19970424	WO 1996-GB2540	19961016
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
CA 2233161	A1	19970424	CA 1996-2233161	19961016
AU 9673121	A	19970507	AU 1996-73121	19961016
EP 874857	A1	19981104	EP 1996-935017	19961016
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1202899	A	19981223	CN 1996-198530	19961016
JP 11513681	T	19991124	JP 1996-515610	19961016
PRIORITY APPLN. INFO.:			GB 1995-21234	A 19951017
			WO 1996-GB2540	W 19961016
OTHER SOURCE(S):			CASREACT 126:343686; MARPAT 126:343686	

=> d ibib kwic 1-3

L16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2000:69582 CAPLUS  
 DOCUMENT NUMBER: 132:208187  
 TITLE: Kinetic study on the radical polymerization of 2-methacryloyloxyethyl phosphorylcholine  
 AUTHOR(S): Sato, Tsuneyuki; Miyoshi, Takashi; Seno, Makiko  
 CORPORATE SOURCE: Department of Chemical Science and Technology, Faculty of Engineering, Tokushima University, Tokushima, 770-8506, Jordan  
 SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry

(2000), 38(3), 509-515  
CODEN: JPACEC; ISSN: 0887-624X  
PUBLISHER: John Wiley & Sons, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Polymerization of 2-(methacryloyloxy)ethyl phosphorylcholine (MPC) was kinetically investigated in ethanol using di-Me 2,2'-azobisisobutyrate (MAIB) as initiator. The overall activation energy of the homogeneous polymerization was calculated to be 71 kJ/mol. The polymerization rate ( $R_p$ ) was expressed by  $R_p = k[MAIB]^{0.54} = 0.05 [MPC]^{1.8 \pm 0.1}$ . The higher dependence of  $R_p$  on the monomer concentration comes from acceleration of propagation due to monomer aggregation and also from retardation of termination due to viscosity effect of the MPC monomer. Rate consts. of propagation ( $k_p$ ) and termination ( $k_t$ ) of MPC were estimated by means of ESR to be  $k_p = 180 \text{ L/mol} \cdot \text{s}$  and  $k_t = 2.8 + 104 \text{ L/mol} \cdot \text{s}$  at  $60^\circ\text{C}$ , resp. Because of much slower termination,  $R_p$  of MPC in ethanol was found at  $60^\circ\text{C}$  to be 8 times that of Me methacrylate (MMA) in benzene. Polymerization of MPC with MAIB in ethanol was accelerated by the presence of water and retarded by the presence of benzene or acetonitrile. Poly(MPC) showed a peculiar solubility behavior; although poly(MPC) was highly soluble in ethanol and in water, it was insol. in aqueous ethanol of water content of 7.4-39.8 vol%. The radical copolymn. of MPC (M1) and styrene (St) (M2) in ethanol at  $50^\circ\text{C}$  gave the following copolymn. parameters similar to those of the copolymn. of MMA and St;  $r_1 = 0.39$ ,  $r_2 = 0.46$ ,  $Q_1 = 0.76$ , and  $e_1 = +0.51$ .

IT 67881-98-5, 2-(Methacryloyloxy)ethyl phosphorylcholine  
RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent)  
(kinetics and reactivity ratio in radical polymerization of)

IT 64-17-5, Ethanol, uses 71-43-2, Benzene, uses 75-05-8, Acetonitrile, uses 7732-18-5, Water, uses  
RL: TEM (Technical or engineered material use); USES (Uses)  
(solvent effect on radical solution polymerization of methacryloyloxyethyl phosphorylcholine)

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1998:512479 CAPLUS  
DOCUMENT NUMBER: 129:221223  
TITLE: Soluble cellulose derivatives, their manufacture, grafted products, and biocompatible materials  
INVENTOR(S): Fukui, Hiroki; Matsuyama, Kazuo; Ishihara, Kazuhiko; Nakabayashi, Nobuo  
PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan; Nakabayashi, Norio; Foundation for Scientific Technology Promotion  
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
JP 10212301	A	19980811	JP 1997-14988	19970129
PRIORITY APPLN. INFO.:			JP 1997-14988	19970129
IT 868-77-9DP, 2-Hydroxyethyl methacrylate, graft copolymers with tert-butylperoxycarbonylmethyl hydroxypropyl Me cellulose				
67881-98-5DP, 2-(Methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate, graft copolymers with tert-butylperoxycarbonylmethyl hydroxypropyl Me cellulose				
87026-37-7DP, reaction products with hydroxypropyl Me cellulose, graft copolymers with 2-(methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate				
88475-85-8DP, tert-Butylperoxy 4-(bromomethyl)benzoate, reaction products with hydroxypropyl Me				

cellulose, graft copolymers with 2-(methacryloyloxy)ethyl  
 2-(trimethylammonio)ethyl phosphate  
 RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of soluble cellulose graft polymers for biocompatible medical  
 materials)

IT 75-91-2, tert-Butyl hydroperoxide 9004-65-3, Hydroxypropyl methyl  
 cellulose 22118-09-8, Bromoacetyl chloride 52780-16-2, 4-(Bromomethyl)  
 benzoyl chloride  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of soluble cellulose graft polymers for biocompatible medical  
 materials)

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1997:381020 CAPLUS  
 DOCUMENT NUMBER: 126:343686  
 TITLE: Synthesis of polymerizable phosphodiester  
 INVENTOR(S): Driver, Michael John; Russel, Jeremy Colin; Browne,  
 Judith Elizabeth; Sammes, Peter G.  
 PATENT ASSIGNEE(S): Biocompatibles Limited, UK; Driver, Michael John;  
 Russel, Jeremy Colin; Browne, Judith Elizabeth;  
 Sammes, Peter G.  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714703	A1	19970424	WO 1996-GB2540	19961016
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
CA 2233161	A1	19970424	CA 1996-2233161	19961016
AU 9673121	A	19970507	AU 1996-73121	19961016
EP 874857	A1	19981104	EP 1996-935017	19961016
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1202899	A	19981223	CN 1996-198530	19961016
JP 11513681	T	19991124	JP 1996-515610	19961016
PRIORITY APPLN. INFO.:			GB 1995-21234	A 19951017
			WO 1996-GB2540	W 19961016

OTHER SOURCE(S): CASREACT 126:343686; MARPAT 126:343686

AB A mono- of di-functional phosphoramidite phosphitylating agent is used to  
 phosphitylate an ethylenically unsatd. alc. The product may be oxidized  
 to form the corresponding phosphate ester which may be reacted in further  
 steps to form phosphoryl choline derivs. The process is of value in the  
 synthesis of 2-(methacryloyloxyethyl)-2'-(trimethylammoniummethyl)phosphate  
 , inner salt. It has the advantage over prior art processes in that the  
 starting materials and intermediates are more stable and consequently  
 easier to handle. Thus, reaction of hydroxyethyl methacrylate  
 with [(Me<sub>2</sub>CH)<sub>2</sub>N]P(OCH<sub>2</sub>CH<sub>2</sub>CN) in the presence of 4,5-dichloroimidazole in  
 MeCN in the presence of 4A° mol. sieves gave  
 (Me<sub>2</sub>CH)<sub>2</sub>NP(OCH<sub>2</sub>CH<sub>2</sub>CN)(OCH<sub>2</sub>CH<sub>2</sub>OC(O)CMe:CH<sub>2</sub>) which on treatment with  
 BrCH<sub>2</sub>CH<sub>2</sub>OH gave (BrCH<sub>2</sub>CH<sub>2</sub>O)P(OCH<sub>2</sub>CH<sub>2</sub>CN)(OCH<sub>2</sub>CH<sub>2</sub>OC(O)CMe:CH<sub>2</sub>). Oxidation of  
 the later with 3-chloroperbenzoic acid followed by treatment with Et<sub>3</sub>N in  
 MeCN gave tittle compound, 2-(methacryloyloxyethyl)-2'-(  
 (trimethylammoniummethyl)phosphate, inner salt in 30% overall yield.

IT 28623-31-6P 132270-46-3P 190070-83-8P 190070-96-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reaction with hydroxyethyl methacrylate)  
 IT 67881-98-5P 166384-17-4P 168638-95-7P 168638-97-9P  
 190070-89-4P 190070-93-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 IT 65-85-0, Benzoic acid, reactions 110-94-1, Pentanedioic acid  
 124-04-9, Hexanedioic acid, reactions  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction with aminodioxaphospholane)  
 IT 102691-36-1  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction with hydroxyethyl methacrylate)

=>

---Logging off of STN---

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Executing the logoff script...

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NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2 JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	3 JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	4 JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	5 JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	6 JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	7 JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	8 JAN 29	PHAR reloaded with new search and display fields
NEWS	9 JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases

NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
 NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
 NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
 NEWS 13 FEB 26 MEDLINE reloaded with enhancements  
 NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field  
 NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
 NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
 NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000  
 to 300,000 in multiple databases  
 NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
 NEWS 19 MAR 16 CASREACT coverage extended  
 NEWS 20 MAR 20 MARPAT now updated daily  
 NEWS 21 MAR 22 LWPI reloaded  
 NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements  
 NEWS 23 MAR 30 INPADOCDB will replace INPADOC on STN  
 NEWS 24 APR 02 JICST-EPLUS removed from database clusters and STN

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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 NEWS IPC8 For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 11:24:02 ON 24 APR 2007

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:24:36 ON 24 APR 2007  
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STRUCTURE FILE UPDATES: 22 APR 2007 HIGHEST RN 931834-80-9  
 DICTIONARY FILE UPDATES: 22 APR 2007 HIGHEST RN 931834-80-9

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REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:



<http://www.cas.org/support/stngen/stndoc/properties.html>

=> E "BENZYL METHACRYLATE"/CN 25

E1 1 BENZYL MESYLGLYCINATE/CN  
E2 1 BENZYL METAPHOSPHATE, (PHCH2O) PO2/CN  
E3 1 --> BENZYL METHACRYLATE/CN  
E4 1 BENZYL METHACRYLATE HOMOPOLYMER/CN  
E5 1 BENZYL METHACRYLATE POLYMER/CN  
E6 1 BENZYL METHACRYLATE POLYMER WITH METHYL METHACRYLATE/CN  
E7 1 BENZYL METHACRYLATE TELOMER WITH THIOGLYCOLIC ACID/CN  
E8 1 BENZYL METHACRYLATE TELOMER WITH THIOSALICYLIC ACID/CN  
E9 1 BENZYL METHACRYLATE-(DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK  
COPOLYMER/CN  
E10 1 BENZYL METHACRYLATE-(N,N-DIMETHYLAMINO)ETHYL METHACRYLATE BLOCK  
COPOLYMER/CN  
E11 1 BENZYL METHACRYLATE-(PERFLUORO)OCTYLETHYL ACRYLATE COPOLYMER/CN  
E12 1 BENZYL METHACRYLATE--METHACRYLIC ACID-METHYL  
METHACRYLATE-2,2,3,3-TETRAFLUOROPROPYL METHACRYLATE COPOLYMER/CN  
E13 1 BENZYL METHACRYLATE-B-METHACRYLOYLOXYETHYL HYDROGEN  
PHTHALATE-METHACRYLIC ACID COPOLYMER GLYCIDYL METHACRYLATE ESTER/CN  
E14 1 BENZYL  
METHACRYLATE-E-CAPROLACTONE-3-ETHYL-3-METHACRYLOXYMETHYLOXETANE-2-HYDROXYETHYL  
METHACRYLATE-METHACRYLIC ACID-N-PHENYLMALIMIDE GRAFT COPOLYMER/CN  
E15 1 BENZYL METHACRYLATE-Ω-CARBOXYLPOLYCAPROLACTONE  
MONOACRYLATE-GLYCEROL MONOMETHACRYLATE-METHACRYLIC ACID-N-PHENYLMALIMIDE-STYRENE  
COPOLYMER/CN  
E16 1 BENZYL  
METHACRYLATE-1,1-BIS(TRIMETHYLSILOXY)-2-METHYL-1-PROPENE-ETHOXYTRIETHYLENE GLYCOL  
METHACRYLATE-TRIMETHYLSILYL METHACRYLATE BLOCK COPOLYMER/CN  
E17 1 BENZYL  
METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-2,4,6-TRIBROMOPHENYL METHACRYLATE  
COPOLYMER/CN  
E18 1 BENZYL METHACRYLATE-1,2-BIS(METHACRYLOYLTHIO)ETHANE-STYRENE  
COPOLYMER/CN  
E19 1 BENZYL METHACRYLATE-1,3-BUTADIENE-BUTYL METHACRYLATE-KAYARAD  
DPHA-METHACRYLIC ACID-R 1302 COPOLYMER/CN  
E20 1 BENZYL METHACRYLATE-1,3-BUTADIENE-GLYCIDYL METHACRYLATE-MALEIC  
ANHYDRIDE-METHACRYLIC ACID COPOLYMER/CN  
E21 1 BENZYL METHACRYLATE-1,3-BUTADIENE-ITACONIC ACID-A-METHYLSTYRENE  
COPOLYMER ESTER WITH 6,7-EPOXYHEPTYL A-ETHYLACRYLATE/CN  
E22 1 BENZYL METHACRYLATE-1,3-BUTADIENE-METHACRYLIC ACID-STYRENE  
COPOLYMER/CN  
E23 1 BENZYL METHACRYLATE-1,3-BUTADIENE-N-BUTYL  
METHACRYLATE-METHACRYLIC ACID-2-METHACRYLOYLOXYETHYL SUCCINATE COPOLYMER/CN  
E24 1 BENZYL METHACRYLATE-1,3-BUTANEDIOL-BUTYL  
METHACRYLATE-DIMETHYLAMINOETHYL METHACRYLATE-GLYCIDYL METHACRYLATE-STYRENE-SUCCINIC  
ANHYDRIDE POLYMER/CN  
E25 1 BENZYL METHACRYLATE-1,3-BUTYLENE GLYCOL  
DIMETHACRYLATE-METHACRYLIC ACID-N,N'-PHENYLENEBISMALEIMIDE COPOLYMER/CN

=> S E3 OR E4 OR E5 OR E6

1 "BENZYL METHACRYLATE"/CN  
1 "BENZYL METHACRYLATE HOMOPOLYMER"/CN  
1 "BENZYL METHACRYLATE POLYMER"/CN  
1 "BENZYL METHACRYLATE POLYMER WITH METHYL METHACRYLATE"/CN  
L1 3 "BENZYL METHACRYLATE"/CN OR "BENZYL METHACRYLATE HOMOPOLYMER"/CN OR  
"BENZYL METHACRYLATE POLYMER"/CN OR "BENZYL METHACRYLATE POLYMER WITH METHYL  
METHACRYLATE"/CN

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.70

20.91

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=> s 11  
L2 1026 L1

=> s MPC/cn  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 30 L3

=> s 14 and 12  
L5 0 L4 AND L2

=> s phosphoryl?  
L6 226156 PHOSPHORYL?

=> s 16 and 12  
L7 0 L6 AND L2

=> s ?choline  
L8 178166 ?CHOLINE

=> s 18 and 12  
L9 2 L8 AND L2

=> d ibib 1-2

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:137259 CAPLUS  
DOCUMENT NUMBER: 134:179357  
TITLE: Composition that hardens with visible light and use thereof  
INVENTOR(S): Zimmermann, Michael  
PATENT ASSIGNEE(S): Deltamed Medizinprodukte G.m.b.H., Germany  
SOURCE: PCT Int. Appl., 30 pp.

DOCUMENT TYPE: CODEN: PIXXD2  
LANGUAGE: Patent  
FAMILY ACC. NUM. COUNT: German  
PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012679	A1	20010222	WO 2000-EP7317	20000728
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19938463	A1	20010222	DE 1999-19938463	19990813
DE 19950284	A1	20010426	DE 1999-19950284	19991019
EP 1203033	A1	20020508	EP 2000-949417	20000728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
JP 2003507499	T	20030225	JP 2001-517577	20000728
PRIORITY APPLN. INFO.:			DE 1999-19938463	A 19990813
			DE 1999-19950284	A 19991019
			WO 2000-EP7317	W 20000728
REFERENCE COUNT:	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1985:100766 CAPLUS  
DOCUMENT NUMBER: 102:100766  
TITLE: A calorimetric study of the interaction of synthetic phospholipid liposomes with vinyl monomers, acrylates and methacrylates  
AUTHOR(S): Fujisawa, Seiichiro; Kadoma, Yoshinori; Masuhara, Eiichi  
CORPORATE SOURCE: Sch. Dent., Tokyo Med. Dent. Univ., Tokyo, 113, Japan  
SOURCE: Journal of Biomedical Materials Research (1984), 18(9), 1105-14  
CODEN: JBMRBG; ISSN: 0021-9304  
DOCUMENT TYPE: Journal  
LANGUAGE: English

=> s benzyl  
182381 BENZYL  
55 BENZYL  
L10 182405 BENZYL  
(BENZYL OR BENZYL)  
  
=> s phosphorylcholine  
4140 PHOSPHORYLCHOLINE  
84 PHOSPHORYLCHOLINES  
L11 4164 PHOSPHORYLCHOLINE  
(PHOSPHORYLCHOLINE OR PHOSPHORYLCHOLINES)  
  
=> s 110 and 111  
L12 29 L10 AND L11  
  
=> s methacrylate  
218957 METHACRYLATE  
11981 METHACRYLATES  
L13 221338 METHACRYLATE  
(METHACRYLATE OR METHACRYLATES)  
  
=> s 112 and 113  
L14 3 L12 AND L13  
  
=> d ibib 1-3

L14 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2007:4234 CAPLUS  
DOCUMENT NUMBER: 146:235751  
TITLE: Biocompatibility and drug release behavior of  
spontaneously formed phospholipid polymer hydrogels  
AUTHOR(S): Kimura, Mizuna; Takai, Madoka; Ishihara, Kazuhiko  
CORPORATE SOURCE: Department of Materials Engineering, School of  
Engineering, The University of Tokyo, 7-3-1, Hongo,  
Bunkyo-ku, Tokyo, 113-8656, Japan  
SOURCE: Journal of Biomedical Materials Research, Part A  
(2006), Volume Date 2007, 80A(1), 45-54  
CODEN: JBMRCH; ISSN: 1549-3296  
PUBLISHER: John Wiley & Sons, Inc.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:694963 CAPLUS  
DOCUMENT NUMBER: 144:134995  
TITLE: Spontaneously forming hydrogel from water-soluble  
random- and block-type phospholipid polymers  
AUTHOR(S): Kimura, Mizuna; Fukumoto, Kikuko; Watanabe, Junji;  
Takai, Madoka; Ishihara, Kazuhiko  
CORPORATE SOURCE: Department of Materials Engineering, School of  
Engineering, The University of Tokyo, 7-3-1 Hongo,  
Bunkyo-ku, Tokyo, 113-8656, Japan  
SOURCE: Biomaterials (2005), 26(34), 6853-6862  
CODEN: BIMADU; ISSN: 0142-9612  
PUBLISHER: Elsevier Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2003:772711 CAPLUS  
DOCUMENT NUMBER: 140:5361  
TITLE: Direct Synthesis of Well-Defined Quaternized  
Homopolymers and Diblock Copolymers via ATRP in Protic  
Media  
AUTHOR(S): Li, Yuting; Armes, Steven P.; Jin, Xiaoping; Zhu,  
Shiping  
CORPORATE SOURCE: Department of Chemistry, School of Life Sciences,  
University of Sussex, Falmer, Brighton, BN1 9QJ, UK  
SOURCE: Macromolecules (2003), 36(22), 8268-8275  
CODEN: MAMOBX; ISSN: 0024-9297  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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